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Core-Curriculum

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on the Core Program

Jeremy R. Knowles, Harvard University Distinguished Service Professor and Amory Houghton Professor of Chemistry and Biochemistry (*Chair*)

Jeffrey Frieden, Stanfield Professor of International Peace (*on leave fall term*)

Benedict H. Gross, George Vasmer Leverett Professor of Mathematics and Dean of Harvard College (*ex officio*)

Thomas Forrest Kelly, Morton B. Knafel Professor of Music

John E. Malmstad, Samuel Hazzard Cross Professor of Slavic Languages and Literatures (*on leave spring term*)

Lisa L. Martin, Clarence Dillon Professor of International Affairs

William Mills Todd III, Harvard College Professor, Harry Tuchman Levin Professor of Literature, and Professor of Comparative Literature

Richard Tuck, Frank G. Thomson Professor of Government

Laurel Thatcher Ulrich, 300th Anniversary University Professor

George M. Whitesides, Woodford L. and Ann A. Flowers University Professor

The Core Curriculum Program

The philosophy of the Core Curriculum rests on the conviction that every Harvard graduate should be broadly educated, as well as trained in a particular academic specialty or concentration. It assumes that students need some guidance in achieving this goal, and that the faculty has an obligation to direct them toward the knowledge, intellectual skills, and habits of thought that are the hallmarks of educated men and women.

But the Core differs from other programs of general education. It does not define intellectual breadth as the mastery of a set of Great Books, or the digestion of a specific quantum of information, or the surveying of current knowledge in certain fields. Rather, the Core seeks to introduce students to the major approaches to knowledge in areas that the faculty considers indispensable to undergraduate education. It aims to show what kinds of knowledge and what forms of inquiry exist in these areas, how different means of analysis are acquired, how they are used, and what their value is.

Foreign Cultures



AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

The goals common to all courses in Foreign Cultures are to expand one's understanding of the importance of cultural factors in shaping people's lives, and to provide fresh perspectives on one's own cultural assumptions and traditions, through study of cultures significantly different from that of the US and the anglophone cultures of the British Isles, Canada, Australia, and New Zealand. These courses also introduce methods of studying a culture, and the issues involved in approaching a culture not one's own. Whether the primary emphasis is on the analysis of key texts and works of art, on historical change, or on other fundamental aspects of individual or social life, Foreign Cultures courses seek to identify the distinctive patterns of thought and action that account for the particular configuration or ethos of another culture.

With the exception of the specific courses listed at the end of this section, departmental courses, including language courses, may not be substituted for Foreign Cultures courses to meet this requirement. Consult the *Introduction to the Core Curriculum* for further details.

Foreign Cultures

[Foreign Cultures 12. Sources of Indian Civilization]

Catalog Number: 8312

Diana L. Eck

Half course (fall term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12

An exploration of the ideas, ethics, narratives, and religious movements that have shaped a complex civilization from the Indus Valley to Mahatma Gandhi. Readings in primary sources - Vedas and Upanishads, Buddhist and Jain texts, the Mahabharata and the Bhagavad Gita, Bhakti and Sufi poets, Sikh gurus and Muslim kings, and modern thinkers and reformers. Attention to the ways in which these continue to be of significance to the understanding of modern India.

Note: Expected to be given in 2008–09.

Foreign Cultures 21. Cinéma et culture française, de 1896 à nos jours

Catalog Number: 8550

Tom Conley

Half course (fall term). M., W., F., at 11; M., 7:30–9:30 pm, and a weekly section to be arranged. EXAM GROUP: 4

Focuses on relations of cinema to French culture from the silent era to the age of video. Explores film in dialogue with cultural and historical events, development of a national style and signature, a history of criticism. Correlates study of cinema to cultural analysis. Takes up Renoir and poetic realism, unrest in 1930s, France and other filmic idioms (Italy, Hollywood, Russia), new wave directors, feminist and minoritarian cinema after 1980.

Note: Expected to be omitted in 2007–08. Conducted in French. For students under the Core requirement, counts as either Foreign Cultures or Literature and Arts B, but not both.

Foreign Cultures 22a. La critique sociale à travers l'humour

Catalog Number: 0656

Marlies Mueller

Half course (fall term). M., W., (F.), at 11, and a weekly section to be arranged. EXAM GROUP:

4



A second-year language course that explores French institutions, values, and traditions of the 17th and 18th centuries as objects of humorous attacks by such authors as Beaumarchais, La Fontaine, Molière, and Voltaire. Comprehensive syntheses of early-modern cultural debates through multi-disciplinary approach. Extensive use of visual material (Cassell, Leconte, Rossellini, Scola, Wajda). Emphasis on all four communication skills so that at the end of the course, students should be able to understand lectures in French, converse on a large variety of topics with native speakers, read material of moderate difficulty, and write correct French.

Note: Conducted in French. Both Foreign Cultures 22a and 22b, not necessarily in sequence, must be taken to fulfill the Foreign Cultures requirement.

Prerequisite: A Harvard placement score of 600 minimum, equivalent preparation, or permission of instructor.

Foreign Cultures 22b. La critique sociale à travers l'humour

Catalog Number: 0591

Marlies Mueller

Half course (spring term). M., W., (F.), at 11, and a weekly section to be arranged. EXAM GROUP: 4

A continuation of Foreign Cultures 22a at a higher level. Explores institutions, values, and traditions in humorous works of 19th- and 20th-century France. Emphasis on the individual's search for wisdom and happiness in a changing social context (Balzac, Beineix, Godard, Renoir, Sartre, and Stendhal).

Note: Conducted in French. Both Foreign Cultures 22a and 22b, not necessarily in sequence, must be taken to fulfill the Foreign Cultures requirement.

Prerequisite: A Harvard placement score of 710 minimum, Foreign Cultures 22a, equivalent preparation, or permission of instructor.

Foreign Cultures 34. Mesoamerican Civilizations

Catalog Number: 3196

William L. Fash

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

This course highlights the distinctive features of the evolving cultural traditions of Mesoamerica, one of the oldest living civilizations in the world. Pre-Columbian religion, arts, cultural ecology, and construction of power and social identity through myth, ritual, and official history are explored first. Continuities and changes in those traditions resulting from the Spanish conquest, colonial rule, and subsequent global change in the 20th century are then analyzed. In Mexico and Central America, the past continues to shape the present, and living cultures help illuminate processes, events, and worldview in the archaeological past.

Foreign Cultures 46. Caribbean Societies: Socioeconomic Change and Cultural Adaptations

Catalog Number: 6357

Orlando Patterson

Half course (spring term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

Caribbean societies are largely the economic and political creations of Western imperial powers. Though *in* the West, they are only partly *of* it, and their popular cultures are highly original



blends of African and European forms. The course examines the area as a system emerging from a situation of great social and cultural diversity to the present tendency toward socio-economic and cultural convergence. Patterns of underdevelopment are explored through case studies of Latin and Afro-Caribbean states, as are cultural adaptations through studies of Afro-Caribbean religions, fiction, and music.

[Foreign Cultures 48. The Cultural Revolution]

Catalog Number: 6474

Roderick MacFarquhar

Half course (spring term). M., W., at 10, and a weekly section to be arranged. EXAM GROUP: 3
From 1966 to 1976, the People's Republic of China was wracked by civil strife, student violence, political intrigue, and military plots. What had once seemed the best disciplined and most stable of dictatorial states seemed about to dissolve into disunity, even anarchy, and as a result of the actions of the man who had done more than anyone else to create it: Chairman Mao Zedong. The Cultural Revolution is traced to pinpoint Mao's aims and to explore the deeper political, social, economic, and cultural issues that his actions raised for the Chinese, and for the rest of us as well.

Note: Expected to be given in 2007–08. For students under the Core requirement, counts as either Foreign Cultures or Historical Study B, but not both.

[Foreign Cultures 56. Jewish Life in Eastern Europe]

Catalog Number: 1271

Jay M. Harris

Half course (fall term). M., W., (F.), at 11, and a weekly section to be arranged. EXAM GROUP: 4

An examination of the variegated cultural achievements of Eastern European Jewish society, including its religious and ethical worldviews, its educational institutions, its literature, its politics. Primary focus on the 19th century, the development and continuity of traditional life, and the confrontation between traditional and newer cultural patterns.

Note: Expected to be given in 2007–08.

[Foreign Cultures 60. Individual, Community, and Nation in Vietnam]

Catalog Number: 1976

Hue-Tam Ho Tai

Half course (spring term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12

Can a society modernize yet preserve its cultural identity? We will explore this issue with reference to Vietnam, where a Marxist-Leninist political system co-exists with a market economy. Modernization has been accompanied by a revival of tradition, religion, and rituals; urbanization by renewed stress on village solidarity. Gender roles are being transformed. Family relationships are being reshaped by increased mobility and new means of communications. Migration to the uplands is changing local cultures even as ethnic minorities are offered to global tourists as icons of authenticity. What does it mean to be Vietnamese under these circumstances?
Note: Expected to be given in 2007–08.



[Foreign Cultures 63. China's Two Social Revolutions]

Catalog Number: 1884

Martin K. Whyte

Half course (fall term). M., W., at 10, and a weekly section to be arranged. EXAM GROUP: 3

A general overview of the patterns of social life in China and how these have changed since the revolution in 1949. The socialist transformations led by Mao Zedong after 1949 and the market and other reforms led by Deng Xiaoping after Mao's death receive equal emphasis. Topics covered include political institutions, work organizations, village life, cities, religion, family life, population control, gender relations, inequality, and schooling.

Note: Expected to be given in 2007–08.

Foreign Cultures 67. Popular Culture in Modern China

Catalog Number: 8730

David Der-Wei Wang

Half course (spring term). Tu., Th., at 11, and a weekly section to be arranged. Four additional sessions to be arranged for screening of films. EXAM GROUP: 13

This course provides a comprehensive examination of modern Chinese popular culture in the People's Republic of China, Taiwan, Hong Kong, and Southeast Asia. From literature to film, from music to theatre, this course will probe popular culture as it has manifested itself, and trace its sociopolitical, aesthetic, and affective impact on modern Chinese.

Note: For students under the Core requirement, counts as either Foreign Cultures or Literature and Arts C, but not both.

[Foreign Cultures 68. Authority and the Claims of the Individual in Chinese Literary Culture]

Catalog Number: 9028

Stephen Owen

Half course (spring term). Tu., Th., at 1, and a weekly section to be arranged. EXAM GROUP: 15

Examines the role Chinese literary texts have played in articulating the place of the individual as part of, or against, the authority of community and state. Beginning with the celebrations of social integration in the early parts of the *Classic of Poetry* (early first millennium BC), we will follow the increasingly complex role literature came to play, both as a critic of authority and as establishing a domain of private life.

Note: Expected to be given in 2007–08. For students under the Core requirement, counts as either Foreign Cultures or Literature and Arts A, but not both.

Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies

Catalog Number: 1065

Ali S. Asani

Half course (fall term). M., W., F., at 10, and a weekly section to be arranged. EXAM GROUP: 3

Offers an introductory survey of the fundamental concepts of the Islamic faith and devotional practices of Muslim societies around the world. Focuses on developing an understanding of the diversity of Muslim religious worldviews and the manner in which they have been shaped by the political, social and cultural contexts in which Muslims live in various parts of the world, particularly in the modern period. Briefly considers the contemporary situation of Muslims as a



religious and racial minority in Europe and the US.

Note: Expected to be omitted in 2007–08.

Foreign Cultures 72. Russian Culture from Revolution to Perestroika

Catalog Number: 5581

Svetlana Boym

Half course (fall term). Tu., Th., at 12, and a weekly section to be arranged. EXAM GROUP: 14

Explores 20th-century Russian culture through literature, art, and film. Topics include art and revolution, utopian imagination and the authoritarian state, the rewriting of history through literature and film, art of the fantastic and the literature of exile, postcommunism and postmodernism, the search for national identity, and resistance to nationalism. Proceeds from revolutionary avant-garde art and artistic experimentation of the 1920s to the declaration of Socialist Realism and the experience of Stalinism, from dissident art of the 1960s to the culture of the Cold War, perestroika, and beyond. Works by Malevich, Eisenstein, Vertov, Mayakovsky, Babel, Bulgakov, Mandel'shtam, Nabokov, Kundera, and Brodsky.

Note: Expected to be omitted in 2007–08.

[Foreign Cultures 74. Cultures of Southern Europe]

Catalog Number: 0603

Michael Herzfeld

Half course (spring term). M., W., (F.), at 12, and a weekly section to be arranged. EXAM GROUP: 5

This is a survey of the modern cultures of Cyprus, Greece, Italy, Malta, Portugal, and Spain. Southern Europe has been viewed as both the fount of “Western civilization” and as a poor and crime-ridden backwater; it has been home to imperial powers and humiliated client-states alike. Through the reading of anthropological field studies (urban and rural), literary and historical portrayals, and artistic representations (including film and opera), this course focuses on what such contradictions mean for people in those countries at the level of everyday life, and provides an account of differences as well as similarities among the countries discussed.

Note: Expected to be given in 2007–08.

[Foreign Cultures 76. Nazi Cinema: Fantasy Production in the Third Reich]

Catalog Number: 3396

Eric Rentschler

Half course (fall term). T., Th., at 10; screenings, W., 4–6, and a weekly section to be arranged. EXAM GROUP: 12

More than a half-century after Hitler's demise, the legacy of Nazi sights and sounds remains contested and problematic. We will analyze seminal films of the Third Reich as ideological constructs, popular commodities, and aesthetic artifacts. How did emanations of Goebbels' Ministry of Propaganda figure within the larger contexts of state terror, world war, and mass murder, and how have Nazi images been presented and recycled since 1945? Sampling of short subjects and documentaries (*Triumph of the Will*, *Olympia*, and *The Eternal Jew*), and narrative films (*Hitler Youth Quex*, *La Habanera*, *Jew Süß*, and *Kolberg*). Readings provide pertinent socio-historical backgrounds and important theoretical perspectives.

Note: Expected to be given in 2007–08. No knowledge of German required.



Foreign Cultures 79. Historical and Musical Paths on the Silk Road - (New Course)

Catalog Number: 5576

Mark C. Elliott and Richard K. Wolf

Half course (spring term). M., W., (F.), at 11, and two weekly sections to be arranged. EXAM GROUP: 4

Globalization may seem quintessentially modern, but in fact it is nothing new. To demonstrate the deep interconnectedness of the historical cultures of Eurasia, this course takes students on a journey along the Silk Road, from ancient times to the present. We will use an integrated interdisciplinary approach to study the ebb and flow of people, ideas, goods, techniques, and artistic styles along the trade routes of Central, South, and East Asia, with a special focus on musical traditions. In addition to learning about particular histories and historic links among societies, we also consider the formation of critical theories of relatedness.

Note: Expected to be omitted in 2007–08. No knowledge of Asian languages or music is required. One weekly section is a music section and the other is a discussion section.

Foreign Cultures 80. Korea at 2100

Catalog Number: 8798

David McCann

Half course (fall term). M., W., at 10; and a weekly section to be arranged. EXAM GROUP: 3
Examines Korea's often challenged but persistent cultural identity expressed in literature, art, and history. Begins with the Korean War, turns to the Japanese annexation of Korea, then the late 19th-century Enlightenment Period when Korea and Koreans struggled to respond to a series of internal and external threats. Next, Korean history, from the Unified Silla Kingdom in the 7th century, through the succeeding Koryô and Chosôn dynasties, examining similar moments of cultural challenge and response. Closes with a brief consideration of the re-production of identity issues in the context of recent celebrations of the first century of Korean-American history, 1903–2003.

Note: Expected to be omitted in 2007–08.

Foreign Cultures 82. Modern Arabic Narratives: Self, Society, and Culture

Catalog Number: 2619

William E. Granara

Half course (spring term). M., W., at 12, and a weekly section to be arranged. EXAM GROUP: 5
A historical overview of cultural and social issues in contemporary Arab society as reflected in modern fiction. Attention will be given to the development of the novel and short story as literary media that treat themes such as the conflict between tradition and modernity, anti-colonialism, nationalism, civil war, poverty, alienation, religion and politics, and changing gender roles. Readings will include works of Tayeb Salih, Naguib Mahfouz, Muhammad Choukri, as well as prominent women authors, such as Hanan Shaykh and Sahar Khalifeh.

Note: Expected to be omitted in 2007–08. No knowledge of Arabic required.

[Foreign Cultures 84. Tokyo]

Catalog Number: 9691

Theodore C. Bestor

Half course (spring term). M., W., (F.), at 1, and a weekly section to be arranged. EXAM GROUP: 6



Tokyo has been one of the world's great metropolitan centers since the 17th century, both the urban hub of Japanese society and culture, and the intersection between Japanese domestic society and trends of global influence. This course examines trajectories of change in Tokyo's urban culture, lifestyles, social structure, and spatial environment across the city's history, using ethnography, history, literature, diaries, architecture, photography, art, cartography, animation, film, and the Internet to explore Tokyo as an urban culture in comparative perspectives drawn from anthropology, history, and other social sciences.

Note: Expected to be given in 2007–08.

Foreign Cultures 85. Japan Pop: From Basho to Banana - (New Course)

Catalog Number: 0401

Adam L. Kern

Half course (fall term). Tu., Th., at 2, and a weekly section to be arranged. EXAM GROUP: 16 Surveys what is arguably the major alternative to American popular culture, from its relative isolation in the 17th-century to its massive globalization of the present day. Drawing upon literary studies, cultural studies and visual culture, students will engage in the close readings of texts in English translation in different genres and media: *anime*, comic poetry, contemporary performance art, film, haiku, J-pop, hip-hop, kabuki, *kibyoshi*, *manga*, novellas, novels, and puppet plays.

Note: Expected to be omitted in 2007–08. No knowledge of Japanese required.

[Foreign Cultures 86. West African Cultures]

Catalog Number: 1648

J. Lorand Matory

Half course (fall term). Tu., Th., at 1, and a weekly section to be arranged. EXAM GROUP: 15 We will explore the history and cultures of West and West-Central Africa, taking seriously the ancient involvement of this region in international politics and commerce. Equally important is the cosmopolitan dialogue that has transformed African ethnic identities, gender relations, and religious devotion in the 20th and 21st centuries.

Note: Expected to be given in 2007–08.

Foreign Cultures 88. The African Experience: Between Tradition and Modernity

Catalog Number: 5925

Francis Abiola Irele

Half course (spring term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

This course seeks to introduce students to aspects of cultural change in Africa as reflected in the dominant currents of contemporary African thought and literature, centered on a theme from which they derive coherence and significance: that of the tension between tradition and modernity. While concepts from sociology and anthropology will be employed to elucidate the theme, the emphasis of the course will be placed on the literary and intellectual texts that have shaped reflection on modern African experience. The lectures and discussions of the texts will be supplemented by documentary films and feature films by African directors.

[Foreign Cultures 90. Tel Aviv: Urban Culture in Another Zion]

Catalog Number: 0199



Avi Matalon

Half course (fall term). M., W., (F.), at 12, and a weekly section to be arranged. EXAM GROUP: 5

How to read a city? Tel Aviv was founded under the concept of the “first Hebrew city” and rapidly became the cultural, economic, and political center of Jewish settlement in Palestine. Over the past century it has become a metropolis and the cultural and economic hub of the State of Israel. This course will trace Tel Aviv’s historical development and its cultural representation using history, literature, film, urban planning, photography, art, and music.

Note: Expected to be given in 2007–08.

Cross-listed Core courses that satisfy the Foreign Cultures requirement

The following courses fully listed in the Historical Study A area of the Core Curriculum may be taken to meet the Core requirement in Foreign Cultures or in Historical Study A, but not both.

[Historical Study A-13. China: Traditions and Transformations](#)

[Historical Study A-14. Japan: Tradition and Transformation](#)

[Historical Study A-16. The Making of Modern South Asia](#)

[Historical Study A-23. Democracy, Development, and Equality in Mexico]

[Historical Study A-53. The Chinese Revolutionary Tradition]

[Historical Study A-74. Contemporary China: The People’s Republic and Taiwan in the Modern World](#)

The following course fully listed in the Historical Study B area of the Core Curriculum may be taken to meet the Core requirement in Foreign Cultures or in Historical Study B, but not both.

[Historical Study B-64. The Cuban Revolution, 1956-1971: A Self-Debate]

The following courses fully listed in the Literature and Arts C area of the Core Curriculum may be taken to meet the Core requirement in Foreign Cultures or in Literature and Arts C, but not both.

[Literature and Arts C-18. Hindu Myth, Image, and Pilgrimage](#)

[Literature and Arts C-51. Revolution and Reaction: The Rise and Fall of the Russian Avant-Garde]

Departmental courses that satisfy the Foreign Cultures requirement

The following departmental courses may be taken to meet the Foreign Cultures requirement. These courses are not necessarily designed for a general audience; they may assume prior experience or more than could be expected of students seeing the subject for the first time.

[Chinese Literature 130. Screening Modern China: Chinese Film and Culture]

[Visual and Environmental Studies 187x. From Postwar to Postwall German Cinema](#)

Historical Study

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION



The common aim of courses in Historical Study is to develop students' comprehension of history as a form of inquiry and understanding. The courses fall into two groups representing two emphases in historical study.

Historical Study A

Courses in Historical Study A are designed to help the student understand, through historical study, the background and development of major issues of the contemporary world. These courses illustrate the way in which historical study helps make sense of some of the great issues—often problematic policy issues—of our own world. The courses focus on the sequential development of issues whose origins may be quite distant from the present but whose significance is still profound in the world in which students live today.

Historical Study B

Courses in Historical Study B focus closely on the documented details of some central historical event or transformation in the deeper past. They aim to develop an understanding of the complexity of human affairs, of the way in which a variety of forces—economic, cultural, religious, political—have interacted with individual aspirations and with the deliberate efforts of individuals to control and shape events in specific contexts and historical moments. They are sufficiently delimited in time to allow concentrated study of primary source materials.

Historical Study A

Historical Study A-12. International Conflict and Cooperation in the Modern World

Catalog Number: 5129

Stephen P. Rosen and Michael J. Hiscox

Half course (spring term). M., W., F., at 10, and a 90-minute weekly section to be arranged.

EXAM GROUP: 3

An introduction to the theory and history of world politics. Why do states wage war? Why do they cooperate? Have the answers changed historically? Are economic globalization, ecological interdependence, and global civil society eroding state sovereignty? Or do nationalism, protectionism, and power politics firmly limit world order? The course begins with the Peloponnesian War, the European state system, imperialism, the rise of free trade, and the two World Wars. It continues after 1945 with the cold war, the spread of democracy and human rights, trade liberalization, international law, and ecological cooperation, nuclear weapons, civil strife, and rogue states.

Historical Study A-13. China: Traditions and Transformations

Catalog Number: 5243

Henrietta Harrison and Yang Lu

Half course (fall term). M., W., F., at 11, and a weekly section to be arranged. EXAM GROUP: 4

Modern China presents a dual image: a society transforming itself through economic development and social revolution; and the world's largest and oldest bureaucratic state, coping with longstanding problems of economic and political management. Whatever form of modern society and state emerges in China will bear the indelible imprint of China's historical



experience, of its patterns of philosophy and religion, and of its social and political thought. These themes are discussed in order to understand China in the modern world, and as a great world civilization that developed along lines different from those of the Mediterranean.

Note: For students under the Core requirement, counts as either Historical Study A or Foreign Cultures, but not both.

Historical Study A-14. Japan: Tradition and Transformation

Catalog Number: 5373

Mikael Adolphson

Half course (spring term). M., W., (F.), at 10, and a weekly section to be arranged. EXAM GROUP: 3

From the emergence of a court-centered state 1500 years ago to a warrior-dominated society centuries later, Japan's premodern past fascinates people across the world. The people, institutions, and ideas behind these traditions will be the focus of the first half of the course. We then turn to Japan's modern era, which presents one of the more striking transformations in world history. We examine the invention of new traditions as one crucial aspect of the tumultuous changes from the mid-1880s through the present and explore how people in Japan have dealt with the dilemmas of modernity that challenge us all.

Note: For students under the Core requirement, counts as either Historical Study A or Foreign Cultures, but not both.

Historical Study A-16. The Making of Modern South Asia

Catalog Number: 9058

Sugata Bose and Amartya Sen

Half course (fall term). M., W., (F.), at 10, and a weekly section to be arranged. EXAM GROUP: 3

This course provides the historical depth and the comparative context in which to understand contemporary South Asia through an historical inquiry into the making and multiple meanings of modernity. It explores the history, culture, and political economy of the subcontinent which provides a fascinating laboratory to study such themes as colonialism, nationalism, partition, the modern state, economic development, refashioning of religious identities, center-region problems and relations between Asia and the West. Significant use of primary written sources (in English) and multi-media presentations.

Note: For students under the Core requirement, counts as either Historical Study A or Foreign Cultures, but not both.

[Historical Study A-21. Africa and Africans: The Making of a Continent in the Modern World]

Catalog Number: 5568

Caroline M. Elkins

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

Understanding Africa as it exists today requires an understanding of the broader historical trends that have dominated the continent's past. This course will provide an historical context for understanding issues and problems as they exist in contemporary Africa. It will offer an integrated interpretation of sub-Saharan African history from the middle of the 19th century and the dawn of formal colonial rule through the period of independence until the present time.



Particular emphasis will be given to the continent's major historical themes during this period. Selected case studies will be offered from throughout the continent to provide illustrative examples of the historical trends.

Note: Expected to be given in 2007–08.

[Historical Study A-23. Democracy, Development, and Equality in Mexico]

Catalog Number: 6861

John H. Coatsworth

Half course (fall term). M., W., (F.), at 1, and a weekly section to be arranged. EXAM GROUP: 6

Mexico has achieved high levels of democratic participation, social equality, and economic growth in the past, but has seldom managed to achieve all three at the same time. This course explores how history as a mode of inquiry and understanding can illuminate Mexico's contemporary challenge, that of overcoming underdevelopment, inequality, and the legacies of authoritarianism, all at the same time. The course also addresses Mexico's complex and ambivalent relationship to external powers, particularly the US, to the extent that doing so contributes to understanding these three contemporary problems.

Note: Expected to be given in 2007–08. For students under the Core requirement, counts as either Historical Study A or Foreign Cultures, but not both.

[Historical Study A-27. Reason and Faith in the West]

Catalog Number: 8149

Ann M. Blair

Half course (fall term). M., W., (F.), at 11, and a weekly section to be arranged. EXAM GROUP: 4

Examines from an historical perspective one of the central themes in the Western intellectual tradition: the desire to reconcile rational philosophy with religious and biblical authority. Discusses the transformations in conceptions of reason, science, biblical interpretation, and divine intervention (among other themes) in the context of the long period of change from medieval to modern. Readings emphasize primary sources—including, for example, Augustine, Aquinas, Galileo, Descartes, Newton, and Darwin.

Note: Expected to be given in 2008–09.

[Historical Study A-34. Medicine and Society in America](#)

Catalog Number: 1552

Allan M. Brandt

Half course (fall term). M., W., at 11, and a weekly section to be arranged. EXAM GROUP: 4

Surveys major developments in the history of American medicine since 1500. Emphasis on setting the practice of medicine and the experience of health and disease into broad social, cultural, and political contexts. Topics include the social and cultural impact of epidemic disease; the nature of demographic and epidemiological change; the development of medical therapeutics and technologies; the growth of health care institutions; the rise of the medical profession; and debates about the allocation of health care resources. Evaluates the role of medicine in addressing social needs as well as the social and economic determinants of patterns of health and disease.

Note: Expected to be omitted in 2007-08.



[Historical Study A-35. Democracy in America and Europe]

Catalog Number: 9060

James T. Kloppenberg

Half course (spring term). Tu., Th., 11:30–1, and a weekly section to be arranged. EXAM

GROUP: 13, 14

Democracy, for most of Western history reviled as mob rule, now commands almost universal approbation. To understand that transformation, we will examine the history of democracy in theory and practice since the 16th century. Readings will include classic European and American texts that explain, defend, and criticize democracy as a political system and as an ethical ideal. Lectures explore the various contexts—biographical, national, and cultural—surrounding debates over the desirability of democracy and the shifting meanings of freedom and equality in relation to changing attitudes and practices concerning authority, social hierarchy, gender, race, and religion.

Note: Expected to be given in 2007–08.

[Historical Study A-40. The Middle East and Europe since the Crusades: Relations and Perceptions]

Catalog Number: 5423

Cemal Kafadar

Half course (spring term). M., W., (F.), at 12, and a weekly section to be arranged. EXAM

GROUP: 5

Nine centuries of interaction between two neighboring world civilizations centered around the Mediterranean basin. Examines the transformation of the terms of coexistence and competition over time from an asymmetry in favor of the Islamic world to one favoring Europe in terms of power and prestige. Surveys major events and broad patterns of human activity (wars, migrations, conversions, trade, cultural exchange); compares institutions and worldviews; studies the ways in which the two civilizations perceived and imagined each other. Focus on common roots and mutual influences. Analysis of (mis)perceptions as historically constructed cultural categories and of their legacy in the modern world.

Note: Expected to be given in 2007–08.

[Historical Study A-44. Jews in Modern Times: From the French Revolution to the Emergence of Israel](#)

Catalog Number: 9323

Jay M. Harris

Half course (spring term). M., W., (F.), at 12, and a weekly section to be arranged. EXAM

GROUP: 5

This course seeks to understand the transformation of the Jews from a relatively homogeneous group that was readily distinguished from its surrounding cultures, to their current state in which they are neither homogeneous nor readily distinguished from other identifiable groups. The focus will be on the political, social, and economic shifts that led to major changes in Jewish political and cultural aspirations and achievements. Specifically, the course will examine processes of change in France, Germany, Russia, and the US.

Note: Expected to be omitted in 2007–08.



Historical Study A-51. The Modern World Economy, 1873-2000

Catalog Number: 1263

Jeffry Frieden

Half course (spring term). M., W., 2–3:30, and a 1.5 hour weekly section to be arranged. EXAM GROUP: 7, 8

The past 125 years have seen more rapid economic growth, and more global economic integration, than ever before. Yet the gap between rich and poor countries has widened, and “globalization” has alternated with attempts at national self-sufficiency under fascist, communist, and other banners. The course explores the impact of technological, economic, social, and political trends, at both global and national levels, on the development of the world economy since 1873. Topics include free trade and the gold standard in the 19th century, European colonialism, the depressions of 1873–96 and 1929–39, and the postwar economic order.

[Historical Study A-53. The Chinese Revolutionary Tradition]

Catalog Number: 1667

Elizabeth J. Perry

Half course (fall term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12

The Chinese revolutionary tradition began with peasant uprisings in the mid-19th century and continues to this day. From late imperial times to the present, a steady stream of dramatic revolutionary efforts have exerted a major impact on the direction of Chinese politics. This course examines continuities and changes across successive phases of the process: the quasi-Christian Taipings, the anti-Christian Boxers, the 1911 Revolution, the rise of Communism, Mao’s Cultural Revolution, the 1989 Tiananmen Uprising, contemporary tax riots and labor strikes, etc. It focuses on ways in which earlier repertoires of contentious politics have influenced the aspirations and actions of later generations of protesters.

Note: Expected to be given in 2007–08. For students under the Core requirement, counts as either Historical Study A or Foreign Cultures, but not both.

Historical Study A-67. Gendered Communities: Women, Islam, and Nationalism in the Middle East and North Africa

Catalog Number: 0352

Afsaneh Najmabadi

Half course (spring term). M., W., 1:30–3, and a weekly section to be arranged. EXAM GROUP: 6, 7

This course will focus on how concepts of woman and gender have defined meanings of religious and national communities in the Islamic Middle East and North Africa. It will survey changes in these concepts historically through reading a variety of sources—religious texts and commentaries, literary and political writings, books of advice, women’s writings, and films—and will look at how contemporary thinkers and activists ground themselves differently in this historical heritage to constitute contesting positions regarding gender and national politics today.

[Historical Study A-73. The Political Development of Western Europe]

Catalog Number: 8261

Peter A. Hall

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

A survey of the creation of modern politics in Britain, France, Germany, and Italy from the



feudal period to the 20th century, focusing on the causes and consequences of crucial developments such as the English and French Revolutions, the Industrial Revolution, 19th-century democratization, and the appearance of fascism. Emphasizes the usefulness of comparative, historical analysis for understanding the origins of contemporary politics and competing approaches to understanding the processes of change associated with the development of the modern state.

Note: Expected to be given in 2007–08.

Historical Study A-74. Contemporary China: The People’s Republic and Taiwan in the Modern World

Catalog Number: 0893

William C. Kirby

Half course (spring term). Tu., Th., at 12, and a weekly section to be arranged. EXAM GROUP: 14

What are the enduring problems of modern China? How do different Chinese governments confront them? This course assumes that the basic question of 20th-century China remains unanswered: what kind of government, society, and economy will ultimately replace the old imperial system? Part I defines basic themes: quests for national unity and international importance; population and ecological pressures; competition between capitalism and socialism; problems of democracy in Chinese political culture. Part II contrasts the revolutionary experiments of two “new Chinas” after 1950. Part III discusses contemporary reforms in the PRC and Taiwan, and explores the future of “Greater China,” in the light of its past.

Note: Expected to be omitted in 2007–08. For students under the Core requirement, counts as either Historical Study A or Foreign Cultures, but not both.

[Historical Study A-75. The Two Koreas]

Catalog Number: 0786

Carter J. Eckert

Half course (spring term). M., W., (F.), at 11, and a weekly section to be arranged. EXAM GROUP: 4

This course seeks to provide a broad historical context in which to understand the contemporary political division on the Korean peninsula. It examines key historical forces that have created and shaped the two Koreas before, during, and after the actual partition of the country in 1945.

Topics include nascent nation-building efforts between 1876 and 1910, the impact of Japanese colonialism and the Cold War, and North/South development and interaction after 1948. The course interweaves political, socioeconomic, and cultural themes within an historical framework centered on nation-building while also highlighting a number of major historiographical issues in modern Korean history.

Note: Expected to be given in 2007–08.

[Historical Study A-76. Germany 1871–1990: From Unification to Reunification]

Catalog Number: 3594

David Blackbourn

Half course (spring term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

Examines the forces that have shaped modern German history from the Empire created in 1871,



through the Weimar Republic and Third Reich, to division and reunification. The continuities as well as discontinuities of this history provide a major theme, particularly the roots of the Nazi period and the question of how far the two postwar Germanys broke with the past. The course is built around three interrelated themes: politics, economy and society, and culture. The principal focus is domestic affairs, but the nature of the “German question” means that attention is given to the international dimension where appropriate.

Note: Expected to be given in 2007–08.

[Historical Study A-84. American Constitutional History from the Framing to the Present]

Catalog Number: 0718

Morton J. Horwitz (Law School)

Half course (fall term). M., W., F., at 12, and a weekly section to be arranged. EXAM GROUP: 5

This course is a survey of American constitutional history from the Framing of the Constitution to the present. Our focus will be on the texts of important Supreme Court opinions as well as on other significant documents that have shaped our constitutional understanding.

Note: Expected to be given in 2007–08.

Historical Study A-85 (formerly History 1640). The United States since World War II

Catalog Number: 6155

Lizabeth Cohen

Half course (spring term). Tu., Th., at 1, and a weekly section to be arranged. EXAM GROUP: 15

An examination of American politics, society, and culture from 1945 to the present. Topics include the Cold War, suburbanization and urban renewal, mass consumption, anticommunist crusades, the evolution of American liberalism, and the rise of conservatism, the civil rights movement, the war in Vietnam and the antiwar movement, and second-wave feminism.

Particular attention will be paid to how these events played out in the Boston area.

Note: Expected to be omitted in 2007–08.

Historical Study A-86 (formerly History 1692). Men and Women in Public and Private: the US in the 20th Century

Catalog Number: 4182

Nancy F. Cott

Half course (spring term). M., W., at 12, and a weekly section to be arranged. EXAM GROUP: 5

This course offers historical perspective on the social relations and relative power of the sexes, tracing sharp changes and striking continuities over the past century. We will look at sexuality, masculinity, and femininity, centering these in US social, cultural and political history. Marriage, as a major public institution as well as private experience, will figure importantly. Demographic patterns, economic demands, public policy, war, and gender-based social movements will provide the context for examining expectations for manhood and womanhood as they play out in family lives, work, popular culture and politics.

Departmental courses that satisfy the Historical Study A requirement

The following departmental courses may be taken to meet the Historical Study A requirement. These courses are not necessarily designed for a general audience; they may assume prior



experience or more than could be expected of students seeing the subject for the first time.

[African and African American Studies 10. Introduction to African and African American Studies](#)

[History 10b. Western Economies, Societies, and Politics: From 1648 to the Present](#)

[History 1449. Nationalism and Socialism in 20th-Century Central Europe - \(New Course\)](#)

[History 1470. Modern European Intellectual History Subject and Structure, Nietzsche to Postmodernism](#)

[History 1484. Europe Since World War II](#)

[History 1638. American Social History Since 1920](#)

[History 1657. Native America: The East](#)

[History 1658. Native America: The West](#)

[History 1851. 20th-Century Japan](#)

[History 1890b. The Economic History of the Middle East Since World War II](#)

[History 1907. West Africa from 1800 to the Present](#)

[History of Science 175. Madness and Medicine: Themes in the History of Psychiatry]

Historical Study B

[Historical Study B-06. The Roman Games](#)

Catalog Number: 2603

Kathleen M. Coleman

Half course (fall term). M., W., F., at 10, and a weekly section to be arranged. EXAM GROUP: 3

Examines the evidence for gladiatorial combat, staged beast-hunts, executions, and aquatic displays in the Roman world. Through analysis of these spectacles the course illuminates the social and political context of the Roman Empire. The evidence to be studied includes literary sources, inscriptions, coins, mosaics, pottery, and selected archaeological sites where the spectacles were performed. A translation is supplied for course material in Greek and Latin.

Note: Expected to be omitted in 2007–08.

[Historical Study B-09. The Christian Revolution]

Catalog Number: 6389

Christopher P. Jones

Half course (spring term). M., W., (F.), at 12, and a weekly section to be arranged. EXAM GROUP: 5

The course studies the formative period of Christianity as an historical phenomenon. The course begins with the social and political background, and then considers the person of Jesus of Nazareth, how his teaching was developed by his followers, how they built up a “church” of believers, and how Judaism and Christianity were intertwined not only in the person of Jesus but in the history of the two faiths in the decades following the destruction of the Temple. The overall aim is to see how historical methods can be used to explain phenomena which, viewed on their own terms, transcend explanation.

Note: Expected to be given in 2007–08.

[Historical Study B-11. The Crusades](#)

Catalog Number: 0434



Angeliki E. Laiou

Half course (spring term). M., W., (F.), at 10, and a weekly section to be arranged. EXAM GROUP: 3

Examines the crusades as formative events in the developing relations between Western Christians, Eastern Christians, and Muslims, and in the expansion of Western Europe into both the Middle East and the non-Christian areas of northeastern Europe. Christian and Muslim concepts of holy and just war are elaborated. Topics include: the interaction of political, economic, and religious factors in the elaboration of the crusading movement; the consequences of the crusades; the transformation of East-West relations; the effects on subsequent history; aspects of medieval colonization; conflict and coexistence between the various peoples involved. Readings focus on sources in translation.

Note: Expected to be omitted in 2007–08.

[Historical Study B-13. Charlemagne and the Birth of Medieval Civilization]

Catalog Number: 2567

Michael McCormick

Half course (spring term). M., W., (F.), at 11, and a weekly section to be arranged. EXAM GROUP: 4

For 200 years, the family of Charlemagne welded together the disparate fragments of a fallen Roman Empire and free Germania. The result was a new civilization, called Europe; a new cultural movement, called Renaissance. “Charlemagne” investigates how a new civilization arose in the countryside and in the conquests of the 8th and 9th centuries AD with consequences that endure down to our own time. But “Charlemagne” is also about historical analysis: the techniques by which today’s historians wrest new data and insights from manuscripts, memorandums, and mud to rediscover the lives of the men and women who created the first European civilization.

Note: Expected to be given in 2007–08.

[Historical Study B-18. The Protestant Reformation]

Catalog Number: 0623

Steven Ozment

Half course (spring term). Tu., Th., at 12, and a weekly section to be arranged. EXAM GROUP: 14

In the 16th century, hundreds of thousands of people surrendered religious beliefs, practices, and institutions that had organized daily life and given it meaning for the greater part of a millennium. “The Protestant Reformation” attempts to explain why this happened and how it changed the course of history. Lectures and readings concentrate on the “causes” of the Reformation; its inception and development in representative cities and lands; competing theologies and social philosophies; the variety of linguistic and visual propaganda; the impact on contemporary society and culture; the Catholic response; the Reformation’s legacy to the modern world.

Note: Expected to be given in 2007–08.

[Historical Study B-19. The Renaissance in Florence]

Catalog Number: 4631

James Hankins



Half course (fall term). M., W., at 1, and a weekly section to be arranged. EXAM GROUP: 6
The Renaissance has been described by historians as a revival of antiquity, as a revolt against the Middle Ages, and as the beginning of the modern world. This course examines these claims in the context of a detailed examination of the society and culture of Florence, the most important Renaissance center, from the time of Dante to the time of Machiavelli.

Note: Expected to be given in 2008–09. For students under the Core requirement, counts as either Historical Study B or Literature and Arts C, but not both.

[Historical Study B-24. Utopia in the Age of the Scientific Revolution]

Catalog Number: 2380

Katharine Park

Half course (spring term). M., W., at 12, and a weekly section to be arranged. EXAM GROUP: 5
16th- and 17th-century Europe saw both the invention of a new literary genre, the utopian treatise, devoted to imagining a different and better society, and the creation of a new set of goals and methods for natural inquiry, often referred to as the Scientific Revolution. This course explores the relationship between these two developments. How did the “new science” of thinkers such as Copernicus, Galileo, and Descartes inspire and shape the worlds imagined by writers such as More, Shakespeare, Cavendish, and Swift? We will end by considering the fate of the tradition of utopian thought in the 20th century.

Note: Expected to be given in 2007–08.

[Historical Study B-27. The English Revolution]

Catalog Number: 5234

Mark A. Kishlansky

Half course (spring term). M., W., (F.), at 1, and a weekly section to be arranged. EXAM GROUP: 6

Explores the causes, development, and consequences of the English Revolution of the 17th century. The English Revolution is one of the pivotal events in Anglo-American and European history. It marks the first constitutional challenge to an absolute monarch and is the crucial forerunner to the American and French Revolutions. Studies the origins of a revolutionary crisis, the dynamics of revolutionary change, and the actions and aspirations of revolutionaries within the context of 17th-century English society. Readings, drawn from contemporary and historical literature, include works by Milton, Hobbes, Clarendon, and Pepys. Discussion sections focus on reading primary materials.

Note: Expected to be given in 2007–08.

[Historical Study B-34. The World in 1776](#)

Catalog Number: 2507

Sugata Bose, Emma Rothschild, and Richard Tuck

Half course (fall term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12
The world in 1776 was connected by empire, influence, law, commerce, migration, war, and the exchange of ideas. 1776 also saw the publication of Gibbon’s *Decline and Fall of the Roman Empire*, Smith’s *Wealth of Nations*, and Bentham’s *Fragment on Government*. The course examines ideas and ways of life in 1776, in Europe, Asia, Africa, and the Americas. It considers a pivotal year in American history from the vantage point of world history. Readings will include books and periodicals published in 1776, including translations from French, Spanish, and



Persian sources.

Note: Expected to be omitted in 2007–08.

Historical Study B-35. The French Revolution: Causes, Processes, and Consequences

Catalog Number: 0525

Patrice Higonnet

Half course (spring term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12

The cultural, social, and political life of France before 1789; the rise of a public sphere; the Revolution in its development from the decentralized “consensus” of 1789 to Jacobin terrorism in 1793–94; the structures of Jacobin thought; the ideological, social, and administrative effects of the Revolution in France. The roles of Mirabeau, the Montagnards, the Girondins, Robespierre, Babeuf, and Napoleon are considered, as well as more general themes such as the effect of public opinion and the redefinition of gender roles.

[Historical Study B-38. Liberty and Slavery: The History of an American Paradox]

Catalog Number: 8763

Jill M. Lepore

Half course (fall term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12

Through careful historical investigation of key events, ideas, and transformations, this course will explore the central paradox of American history: the founding of the first modern democracy by a society that embraced the slavery of abject human bondage.

Note: Expected to be given in 2008–09.

Historical Study B-40. Pursuits of Happiness: Ordinary Lives in Revolutionary America

Catalog Number: 2264

Laurel Thatcher Ulrich

Half course (spring term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

When Thomas Jefferson listed the “pursuit of happiness” as one of the inalienable rights of humankind, he offered future generations an evocative but elusive vision of the good society. This course explores the competing visions of “happiness” that animated political and social life in the half century surrounding the American Revolution. Was happiness best achieved through collective commitment to public good? Through submission to God? Or in the possession of property and the cultivation of private affections? And what happened when happiness became misery or its pursuit provoked political rebellion, riot, scandal, and crime?

Note: Expected to be omitted in 2007–08.

[Historical Study B-41. Inventing New England: History, Memory, and the Creation of a Regional Identity]

Catalog Number: 1713

Laurel Thatcher Ulrich

Half course (spring term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

Much of what we think we know about “colonial New England” was actually a 19th-century invention. Iconic images of the First Thanksgiving, the Salem witch trials, Paul Revere’s Ride,



and white spired churches overlooking village greens were largely produced by public commemorations, poems, novels, family histories, and exhibits created long after the fact. This course explores these 19th-century inventions in the light of current scholarship on the history of early New England. Students will explore artifacts, images, and landscapes as well as written documents.

Note: Expected to be given in 2008–09.

Historical Study B-45. The Darwinian Revolution - (New Course)

Catalog Number: 8691

Janet Browne

Half course (spring term). M., W., at 10, and a weekly section to be arranged. EXAM GROUP: 3

An examination of the intellectual structure and social context of evolutionary ideas as they developed in the 19th and 20th centuries, with particular emphasis on Darwinism as a major transformation in Western thought. Topics include an introduction to origin stories in different cultures; the natural history tradition in the West; evolutionary thought before Darwin; key aspects of Darwin's ideas; the comparative reception of Darwinism in Britain, US, Germany, Russia and France; social Darwinism, eugenics and racial theories; early genetics and biological determinism; the search for the gene; religious controversy.

Historical Study B-49 (formerly History 1651). History of American Capitalism

Catalog Number: 0227

Sven Beckert

Half course (spring term). Tu., Th., at 12, and a weekly section to be arranged. EXAM GROUP: 14

Examines the development of the American economy from its beginnings to the present. Focuses on the nature of economic change during the past 400 years and the reasons for and effects of capitalist growth. Topics include Native-American economies, the industrial revolution, slavery, the rise of new business structures, labor relations, and technological change.

Note: Expected to be omitted in 2007–08.

[Historical Study B-52. Slavery and Slave Trade in Africa and the Americas]

Catalog Number: 3834

Emmanuel K. Akyeampong

Half course (fall term). Tu., Th., at 12, and a weekly section to be arranged. EXAM GROUP: 14

This course begins with the question of terminological precision and the definition of slavery and other forms of servile labor—especially in Africa. The course then examines the institution of slavery in Africa and the Americas within this wider historical context, analyzing the political economies and ideologies that underpin slavery and the crucial role of slave trade in reproducing slave communities that were barely able to reproduce themselves naturally. The course explores the impact of slavery on political, economic, social, and cultural life in Africa and the Americas and ends with a discussion of the legacy of slavery and the global nature of the African diaspora.

Note: Expected to be given in 2007–08.

[Historical Study B-53. World War and Society in the 20th Century: World War I]

Catalog Number: 4388

Charles S. Maier



Half course (spring term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

Viewed together, the two world wars shattered Germany's bid for European domination, revolutionized Russia and extended her influence over Eastern Europe for over 40 years, helped dissolve the colonial empires and create the modern welfare state, and made the US the world's preeminent power. Historical Study B-53 and B-54 examine the problem of war origins; grand strategies of the combatants and the actual nature of fighting; organization of war economies; response of writers and intellectuals; and the nature of the peace settlements and legacies for postwar culture and politics. This course also focuses on the issue of inevitability; the static trench combat; transformation of the state; demographic effects; literary perception and political radicalization of Left and Right; postwar bitterness and disillusion.

Note: Expected to be given in 2007–08.

Historical Study B-54. World War and Society in the 20th Century: World War II

Catalog Number: 6497

Charles S. Maier

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

Examines the failure of the Versailles system, the Pacific conflict after 1937, the continental European war of 1939–41, the vast coalition struggle of 1941–45, and the bipolar postwar settlement. Topics include the strategic demands of multifront warfare; the role of city bombing, intelligence, and partisan warfare; occupation regimes, collaboration, and resistance; America's "good war" —the politics and culture of the home fronts; war costs, including the civilian toll; postwar purges, liberation movements, and commemoration.

Note: Expected to be omitted in 2007–08.

[Historical Study B-64. The Cuban Revolution, 1956-1971: A Self-Debate]

Catalog Number: 6974

Jorge I. Domínguez

Half course (fall term). M., W., F., at 10, and a weekly section to be arranged. EXAM GROUP: 3

Focus on the insurrectionary war, the consolidation of power, Fidel Castro's role, the role of organized labor and the peasantry, the US-Cuban conflict, the alliance with the Soviet Union, the choice of economic strategy, the "remaking of human beings," the role of intellectuals, the support for revolutions in Africa and Latin America, and the change toward "orthodox" policies. The instructor will debate himself, presenting two or more views on each issue. Readings include original documents in translation.

Note: Expected to be given in 2007–08. For students under the Core requirement, counts as either Historical Study B or Foreign Cultures, but not both.

Historical Study B-68. America and Vietnam: 1945-1975

Catalog Number: 3447

Hue-Tam Ho Tai and Ernest R. May

Half course (fall term). M., W., at 10, and a weekly section to be arranged. EXAM GROUP: 3

Examines modern conflicts in Vietnam and their implications for the US from 1945–75, from both Vietnamese and American perspectives. Seeks to provide an understanding of the complexity of the war and the ethical dilemmas it raised by examining issues ranging from the power-politics assumptions of decision makers to the personal experiences of those caught in the



war. Covers both background and consequences of the war, but the main focus is on the 30-year period during which the fortunes of America and Vietnam became intertwined.

Note: Expected to be omitted in 2007–08.

Cross-listed Core courses that satisfy the Historical Study B requirement

The following course fully listed in the Foreign Cultures area of the Core Curriculum may be taken to meet the Core requirement in Historical Study B or in Foreign Cultures, but not both.

[Foreign Cultures 48. The Cultural Revolution]

The following courses fully listed in the Literature and Arts C area of the Core Curriculum may be taken to meet the Core requirement in Historical Study B or in Literature and Arts C, but not both.

[Literature and Arts C-40. The Chinese Literati](#)
[Literature and Arts C-42. Constructing the Samurai](#)
[Literature and Arts C-61. The Rome of Augustus](#)

Departmental courses that satisfy the Historical Study B requirement

The following departmental courses may be taken to meet the Historical Study B requirement. These courses are not necessarily designed for a general audience; they may assume prior experience or more than could be expected of students seeing the subject for the first time.

[History 10a. Western Societies, Politics, and Cultures: From Antiquity to 1650](#)
[History 1085. The Roman Empire, Augustus to Constantine](#)
[History 1121. Vengeance, Hatred, and Law in Premodern Europe - \(New Course\)](#)
[History 1122. Persons and Things in Medieval Europe - \(New Course\)](#)
[History 1150. The Jews in Muslim and Christian Spain](#)
[History 1611. American Revolutions in the Atlantic World](#)

Literature and Arts

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Courses in Literature and Arts aim to foster a critical understanding of artistic expression, and to exemplify the ways in which the humanities are an arena for scholarly examination and discussion. These courses illustrate and analyze what constitutes knowledge in the various fields—its varieties, forms, scope, uses and abuses, and modes of interpretation—while familiarizing students with major works, major themes, or clusters of creative achievement in particular times and places.

Literature and Arts A

Focuses on literary texts and methods of literary analysis. Courses in this area offer a variety of critical and analytical approaches to literature, and a range of responses to questions such as the



following: How does literature function? How are literary genres and traditions constituted and transformed? What are the relations among author, reader, text, and the circumstances in which the text is produced? How is our reading of the literature of the past influenced by the concerns of the present?

Literature and Arts B

Introduces students to a non-literary form of expression, and offers instruction in the elements of either visual or musical understanding, in the discipline of looking or listening. In addition to studying the articulation of visual or musical forms and their meanings, courses may emphasize the relationship between artistic or musical production and the historical/cultural moment in which it takes place.

Literature and Arts C

Studies creative cultural epochs in history, and explores how works of literature and art function within a given society. Focusing on significant periods, styles, or movements, these courses describe and analyze ways in which culture is produced, interpreted, and disseminated.

Literature and Arts A

Literature and Arts A-11. Arthurian Literature: Epic versus Romance

Catalog Number: 0995

James Simpson

Half course (spring term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12

A permanent fault-line runs throughout Western literature, between epic and romance. Epic contests territory, while romance discovers the self. Epic focuses on charismatic leaders, represents the rise and fall of societies, and depicts war across a realistic geography. Romance focuses on the energetic young, represents trials of sexual desire ending either in marriage or adultery, and has a symbolic geography. Epic and romance critique each other, without resolving this inevitable conflict. This course focuses on brilliant examples of literature about King Arthur's court, written between the 12th and the 15th centuries, with some reference to 19th-century English and American texts.

[Literature and Arts A-16. Lives Ruined by Literature: The Theme of Reading in the Novel]

Catalog Number: 0691

Judith Ryan

Half course (spring term). Tu., Th., at 1, and a weekly section to be arranged. EXAM GROUP: 15

An exploration of the theme of reading as presented in the novel from the 18th century to the present. Topics include misreading and escapist reading, confusing fiction with reality, modeling one's life on fiction, and misusing literature in relations of love and friendship. Attention also paid to narrative point of view; problems of intertextuality; and comedy, tragedy, and parody in



the novel. Authors include Goethe, Flaubert, Rilke, Wharton, Nabokov, and Barnes.

Note: Expected to be given in 2008–09.

Literature and Arts A-22. Poems, Poets, Poetry

Catalog Number: 5808

Helen Vendler

Half course (fall term). M., W., at 1, and a weekly section to be arranged. EXAM GROUP: 6

A study of poetry as the history and science of feeling: readings in major lyric poems of England and America. Emphasis on problems of invention and execution, and on the poet's choice of genre, stance, context, and structure. Other topics to be raised include the process of composition, the situating of a poem in its historical and poetic contexts, the notion of a poet's development, the lyric as dramatic speech, and the experimental lyric of the 20th century.

Note: Expected to be omitted in 2007–08.

[Literature and Arts A-26. Dante's *Divine Comedy* and Its World]

Catalog Number: 6090

Lino Pertile

Half course (fall term). M., W., at 11, and a weekly section to be arranged. EXAM GROUP: 4

Studies Dante's *Divine Comedy* as an enduring work of poetry, a major text of the European literary tradition, and the most comprehensive synthesis of medieval culture. Largely based on textual analysis, the course looks at how literature works in relation to, on the one hand, the language and rhetorical tradition in which it is expressed and, on the other, the culture which it expresses and interprets. Particular attention is paid to the poem's central philosophical concerns, from the role of the individual in history and society to the relationship between progress and happiness, and between politics and morality.

Note: Expected to be given in 2008–09.

[Literature and Arts A-35. Tragic Drama and Human Conflict]

Catalog Number: 0172

Bennett Simon (Medical School)

Half course (fall term). M., W., (F.), at 10, and a weekly section to be arranged. EXAM GROUP: 3

Introduces the student to the use of psychoanalytic perspectives in enhancing the understanding and appreciation of tragic drama. Focuses on tragedy as a study of the family, emphasizing the problem of how the family at war with itself can procreate and continue. Also discusses the form of tragic drama, particularly with regard to dialogue and storytelling within the plays. Readings include ancient, Shakespearean, and modern tragedies, as well as secondary sources that assist in understanding psychoanalytic concepts. Films and live performances supplement the readings.

Note: Expected to be given in 2007–08.

Literature and Arts A-45. Theories of Authorship: Russian Case Studies

Catalog Number: 0189

Justin Weir

Half course (spring term). Tu., Th., at 12, and a weekly section to be arranged. EXAM GROUP: 14

Surveys central theories of authorship in the western tradition and considers how they have been



realized and transformed by Russian writers. We analyze the process by which different concepts of the self, as shaped by Plato, Descartes, Rousseau, and others, have been creatively appropriated by seminal Russian authors, such as Pushkin, Dostoevsky, Tolstoy, Bulgakov, and Nabokov, in order to articulate their own ideas of the relationship between writing and identity. Concludes with an examination of how new technology and recent copyright laws have affected post-Soviet notions of authorship.

Note: Expected to be omitted in 2007–08.

Literature and Arts A-47. The Perfect Tale: The Art of Storytelling in Medieval France - (New Course)

Catalog Number: 6627

Virginie Greene

Half course (spring term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

The goal of this course is to present students with medieval literature as *creative writing*. It focuses on 12th- and 13th-century Old French narratives that influenced greatly the development of European literature and are still a source of inspiration for writers and screenwriters. Our reading of Arthurian romances, epics, chronicles, and short stories explores the innovative techniques that master story-tellers such as Chrétien de Troyes and Marie de France developed to start and end a story, build a character, delineate a plot, entertain and educate their readers.

Note: Expected to be omitted in 2007–08. No knowledge of French required.

[Literature and Arts A-48. Modern Jewish Literature]

Catalog Number: 1250

Ruth R. Wisse

Half course (fall term). Tu., Th., at 12, and a weekly section to be arranged. EXAM GROUP: 14
Studies works in different languages and genres that variously interpret the experience of Jews in the 20th century. Explores such issues as what information literature can provide, the relation of language and historical context to artistic strategy, and personal and national perspectives in narrative. Authors include Sholem Aleichem, Franz Kafka, Isaac Babel, Isaac Bashevis Singer, Shmuel Yosef Agnon, Primo Levi, and Saul Bellow.

Note: Expected to be given in 2007–08.

[Literature and Arts A-51. Virgil: Poetry and Reception]

Catalog Number: 1565

Richard F. Thomas

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13
Begins with the *Aeneid*, paradigmatic epic of the West, from various perspectives, involving literary aesthetics and translation theory, Homeric and other intertextuality, concepts of heroism and anti-heroism, individual choice vs. public responsibility, critique of empire then, now, and in between. Concurrent attention to Virgil tradition in early Christianity, Dante, Milton, Dryden, the Romantics, post-WWI Modernists; influence on music, art, and iconography. Subsequent focus on the *Eclogues* and *Georgics*, their place in the traditions of European pastoral and didactic, status as works of early Augustan poetry, and reception from Petrarch to Heaney.

Note: Expected to be given in 2007–08.



Literature and Arts A-53. “Athens and Jerusalem”: Self and Other in Classical Greek and Hebrew Literature

Catalog Number: 8681

Peter Machinist and Bennett Simon (Medical School)

Half course (fall term). M., W., (F.), at 12, and a weekly section to be arranged. EXAM GROUP: 5

Examines the representation of “self” and “other” in two literatures foundational to Western culture, Classical Greek and Biblical Hebrew. The premise is the necessity of an “other” in order to define the “self.” Starts with “Athens” and “Jerusalem” as emblematic of the self/other polarity that the West drew out of these literatures. Then explores in them other manifestations of self and other: group identity and group origins, woman and deity as other, the development of heroic selfhood, and the emergence of self-knowledge. Emphasizes throughout how poetic and narrative forms both shape and are shaped by visions of self and other.

Note: Expected to be omitted in 2007–08.

[Literature and Arts A-57. State and Nation: Languages in Conflict]

Catalog Number: 1599

Doris Sommer and Eileen Cheng-yin Chow

Half course (spring term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12

The intellectual, social, and aesthetic advantages of bilingualism will be explored through significant works of literature and theory. Bilingualism is an increasingly common condition, given transnational movements. But it is often misunderstood as confused or deficient because outdated expectations about identity and belonging prefer simple labels. Normally complex and creative, bilinguals are sophisticated about language. They know it is arbitrary and that communication is full of risks, mistakes, and pleasures of intermittent contact. This uneasiness about language amounts to a predisposition toward aesthetics and other philosophies.

Note: Expected to be given in 2007–08.

Literature and Arts A-63. Women Writers in Imperial China: How to Escape from the Feminine Voice

Catalog Number: 8286

Wilt L. Idema

Half course (fall term). Tu., Th., at 12, and a weekly section to be arranged. EXAM GROUP: 14

Despite the dominance of men as authors, subjects, and readers of literature in imperial China (221 BCE–1911), this same period also saw the emergence and development of a rich tradition of women’s literature. We will discuss what kinds of women have left literary works, and how the marginal status of women’s literature affected the genres women wrote in and the subjects they could deal with. As China’s male literature developed its own tradition of writing in the voice of women, we will pay special attention to the question of how women found their own voice despite this pre-existing “feminine” tradition.

Note: Expected to be omitted in 2007–08.

Literature and Arts A-64. American Literature and the American Environment

Catalog Number: 4783

Lawrence Buell



Half course (fall term). Tu., Th., at 9, and a weekly section to be arranged. EXAM GROUP: 11
A study of selected traditions in American writing that have been formed by perceptions of the American environment. Topics include the cult of wilderness; white images of the American Indian and vice versa; the pastoral, agrarian, and natural history traditions in American prose; and literary responses to urbanization and environmental endangerment. Readings range from 17th-century Puritan texts to contemporary works, with primary emphasis on narrative and nonfictional prose, but some works of poetry are included as well.
Note: Expected to be omitted in 2007–08.

Literature and Arts A-67. Poetry and Power: The Celtic Bard - (New Course)

Catalog Number: 0631

Catherine McKenna

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13
The Celtic word “bard” comes from languages now spoken by relatively few. Once, bards were powerful: they could destroy weak, unjust, or greedy kings with their invective, or make good kings prosperous, victorious and fertile. Over time, poets found new ways to use their powers—in love, in politics, in lament. When their languages began to retreat before the advancing tide of English, bards found themselves making poems about language and about poetry itself. We read (in translation, but with glimpses of the originals) poetry of Celtic bards from the Middle Ages to the present, tracing the transformations of power that it undergoes.
Note: Expected to be omitted in 2007–08.

[Literature and Arts A-70. The Book of Job and the Joban Tradition]

Catalog Number: 7991

Peter Machinist

Half course (fall term). M., W., at 12, and a weekly section to be arranged. EXAM GROUP: 5
An examination of the biblical book of Job along with related texts, ancient, medieval, and modern, that allow us to establish the literary and philosophical traditions in which Job was composed and the literary and philosophical legacy it has left. Particular focus on the ways the texts play off one another in literary form and expression and in their treatment of such themes as divine justice, human piety, and the nature of the divine-human encounter.
Note: Expected to be given in 2008–09.

Literature and Arts A-72. The Enlightenment Invention of the Modern Self

Catalog Number: 7800

Leo Damrosch

Half course (fall term). Tu., Th., at 1, and a weekly section to be arranged. EXAM GROUP: 15
A study of major 18th-century autobiographical, fictional, and philosophical texts that explore the paradoxes of the modern self at a time when traditional religious and philosophical explanations were breaking down. Writers to be read include Mme. de Lafayette, Boswell, Voltaire, Gibbon, Diderot, Rousseau, Laclos, Franklin, and Blake.

Literature and Arts A-82. Orpheus: Literary, Artistic, and Cultural Figurations

Catalog Number: 1445

John T. Hamilton

Half course (spring term). M., W., at 12, and a weekly section to be arranged. EXAM GROUP: 5



The course spans over two thousand years of varying interpretations, settings, and appropriations of the Orpheus myth. The power of music and the fatality of passion, the expropriating effects of language and the regeneration of poetry, are but a few of the themes addressed and elaborated within the myth's threefold configuration of harmony, descent, and dismemberment. In addition to investigating the rich literary tradition, the course also turns to significant versions in opera, ballet, film, and the visual arts.

Note: Expected to be omitted in 2007–08.

[Literature and Arts A-86. American Protest Literature from Tom Paine to Tupac]

Catalog Number: 7442

John Stauffer

Half course (spring term). M., W., (F.), at 11, and a weekly section to be arranged. EXAM GROUP: 4

This interdisciplinary course examines the rich tradition of protest literature in the US from the American Revolution to the rise of Hip Hop and globalization. Using a broad definition of “protest literature,” it focuses on the production and consumption of dissent as a site of progressive social critique, using a wide variety of print, visual, and oral forms. We examine the historical links between modes of protest and meanings of literature, and explore how various expressions of dissent function as aesthetic, performative, rhetorical, and ideological texts within specific cultural contexts. “Readings” range from novels to photographs and music.

Note: Expected to be given in 2007–08.

Literature and Arts A-88. Interracial Literature - (New Course)

Catalog Number: 1086

Werner Sollors

Half course (spring term). M., W., (F.), at 10, and a weekly section to be arranged. EXAM GROUP: 3

This course examines a wide variety of literary texts on black-white couples, interracial families, and biracial identity, from classical antiquity to the present. Works studied include romances, novellas, plays, novels, short stories, poems, and non-fiction, as well as some films and examples from the visual arts. Topics for discussion range from interracial genealogies to racial “passing,” from representations of racial difference to alternative plot resolutions, and from religious and political to legal and scientific contexts for the changing understanding of “race.”

Note: Expected to be omitted in 2007–08.

Cross-listed Core course that satisfies the Literature and Arts A requirement

The following course fully listed in the Foreign Cultures area of the Core Curriculum may be taken to meet the Core requirement in Literature and Arts A or in Foreign Cultures, but not both.

[Foreign Cultures 68. Authority and the Claims of the Individual in Chinese Literary Culture]

Departmental courses that satisfy the Literature and Arts A requirement



The following courses may be taken to meet the Literature and Arts A requirement. These courses are not necessarily designed for a general audience; they may assume prior experience or more than could be expected of students seeing the subject for the first time.

[English 10a. Major British Writers I](#)
[English 10b. Major British Writers II](#)
[English 151. The 19th-Century Novel](#)
[Scandinavian 80. The Vikings and the Nordic Heroic Tradition](#)

Literature and Arts B

[Literature and Arts B-11 \(formerly Visual and Environmental Studies 170a\). The Art of Film](#)

Catalog Number: 4249 Enrollment: Limited to 200.

D. N. Rodowick

Half course (fall term). M., W., at 12, and a weekly section to be arranged. Additional weekly required screenings scheduled on Mondays from 4-6 pm. EXAM GROUP: 5

An introduction to film style and aesthetics with a focus on developing critical and formal analytical skills. Through readings and screenings of a broad range of films, the class examines the primary visual, aural, and narrative conventions by which motion pictures create and comment upon significant social experience. Issues of mise-en-scène, framing, image composition, photographic space, editing, sound, narrative structure, and point of view will be discussed as components of cinematic style and meaning.

[Literature and Arts B-20. Designing the American City: Civic Aspirations and Urban Form](#)

Catalog Number: 3243

Alex Krieger (Design School)

Half course (spring term). Tu., Th., at 1, and a weekly section to be arranged. EXAM GROUP: 15

An interpretive look at the American city in terms of changing attitudes toward urban life. City and suburb are experienced as the product of design and planning decisions informed by cultural and economic forces, and in relationship to utopian and pragmatic efforts to reinterpret urban traditions in search of American alternatives. Topics include: persistent ideals such as the single-family home, attitudes toward public and private space, the rise of suburbs and suburban sprawl, cycles of disinvestment and renewed interest in urban centers, and impacts of mobility and technology on settlement patterns.

Note: Expected to be omitted in 2007–08.

[Literature and Arts B-21. The Images of Alexander the Great](#)

Catalog Number: 2267

David G. Mitten

Half course (fall term). M., W., (F.), at 1, and a weekly section to be arranged. EXAM GROUP: 6

The images of Alexander the Great are examined within various cultural contexts ranging from 4th-century BCE Greece to 20th-century America. Various art forms (including sculpture, coins,



and paintings) illuminate Alexander's personality and career and the development of his legend. Course explores how images reveal the complex relationship between a strong individual personality and artistic conventions. Special attention is paid to the importance of political imagery and how the images of Alexander reflect changing ideas of rulership. Where, if anywhere, is the "truth" in these images? Original objects in the Sackler collection and Boston Museum of Fine Arts are emphasized.

Literature and Arts B-23. The Japanese Woodblock Print - (New Course)

Catalog Number: 4914

Yukio Lippit

Half course (fall term). Tu., Th., at 1, and a weekly section to be arranged. EXAM GROUP: 15

This course provides a thorough introduction to the woodblock print – Japan's most celebrated artistic medium – from its emergence in the mid 17th century to the present. Technical developments, major genres, and master designers are explored within the context of the print's relationship to the urban culture of early modern and modern Japan. Other issues to be studied include censorship, theatricality, the construction of social roles, Western influence, the representation of war, and *Japonisme*. Special emphasis is placed on an examination of habits of pictorial representation and protocols of viewing unique to the Japanese print medium.

[Literature and Arts B-24. Constructing Reality: Photography as Fact and Fiction]

Catalog Number: 5649

Robin E. Kelsey

Half course (spring term). M., W., (F.), at 11, and a weekly section to be arranged. EXAM GROUP: 4

Historically, photographs have been exceptionally persuasive records of places, people, and events. This course will consider photographs from a broad range of cultural sites and activities, including battlefields, expeditions, laboratories, slums, farms, factories, political rallies, and crime scenes, to investigate the ways in which photographers, viewers, and institutions have negotiated the interplay of photography's rhetorical and evidentiary dimensions. Featured photographs and practices will be drawn from various countries and historical moments. Particular attention will be given to fostering skills in visual analysis and historical interpretation. *Note: Expected to be given in 2007–08.*

[Literature and Arts B-34. Frank Lloyd Wright and the Modern City and Suburb]

Catalog Number: 3508

Neil Levine

Half course (spring term). Tu., Th., at 1, and a weekly section to be arranged. EXAM GROUP: 15

How did the modern city and suburb come to have the shape they do? This course examines the relatively unstudied area of Frank Lloyd Wright's designs for the modern metropolis as a lens through which to understand the history of 20th-century city planning and urban design as a whole. Subjects will range from the creation of the modern suburb and skyscraper city to the problems of designing for the automobile and revitalizing the downtown. Issues of theory, context (both physical and cultural), politics, criticism, and historical relevance will all be addressed.

Note: Expected to be given in 2008–09.



[Literature and Arts B-35. The Age of Sultan Suleyman the Magnificent: Art, Architecture, and Ceremonial at the Ottoman Court]

Catalog Number: 1678

Gülru Necipoglu-Kafadar

Half course (spring term). Tu., Th., at 12, and a weekly section to be arranged. EXAM GROUP: 14

“Golden Age” of Ottoman-Islamic visual culture in the 16th century, considered within its ceremonial and historical contexts, focusing on architecture, miniature painting, and decorative arts. Stresses the transformation of Byzantine Constantinople into Ottoman Istanbul, formation of an imperial architectural style, and artistic contacts with contemporary European and Islamic courts. Considers art and architecture of Safavid Iran and Mughal India as a comparative backdrop. Discusses the role of centralized court ateliers in propagating canons of taste, the emphasis on decorative arts in a culture that rejected monumental sculpture and painting, and representations of the East by European artists in the Orientalist mode.

Note: Expected to be given in 2007–08.

[Literature and Arts B-43. The Gothic Cathedral]

Catalog Number: 1561

Jeffrey F. Hamburger

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

Coined as a term of contempt, “Gothic” now defines among the most exalted works of art and architecture in the Western tradition. To this day, Gothic cathedrals dominate the urban landscape in much of Europe. In their own time, they represented a revolution in design and in religious and social practice. The course aims to consider the cathedral, principally in France, in all its dimensions: civic, religious, ideological, and historiographical, with the emphasis on the architecture, as well as sculpture, stained glass, metalwork, and manuscript illumination.

Note: Expected to be given in 2007–08.

[Literature and Arts B-46. Art in the Wake of the Mongol Conquests: Genghis Khan and His Successors](#)

Catalog Number: 6029

David J. Roxburgh

Half course (spring term). M., W., at 11, and a weekly section to be arranged. EXAM GROUP: 4

Genghis Khan’s legacy entailed the destruction of social and cultural order. Paradoxically, his empire forged a dynamic relationship between nomadic and sedentary societies; his successors fostered a climate of intense activity in art and architecture, producing complex fusions of artistic traditions between the Middle East and China. Key works of art and architecture are studied as a process of cultural assimilation, as constructions of an evolving political structure and social order in the aftermath of the Mongol conquests (ca.1256–1506). Themes include patronage, production, art as political and ideological tool, tensions between nomadic and sedentary sources of prestige and legitimation.

Note: Expected to be omitted in 2007–08.

[Literature and Arts B-48. Chinese Imaginary Space](#)

Catalog Number: 9186

Eugene Wang



Half course (spring term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

Examines visual representations of imaginary space, i.e., alternative worlds or heightened modes of existence, such as heaven, paradise, numinous afterlife world, utopian land, immortal islets, fictive frontier, and mindscape, etc., as they are evoked in Chinese tombs, cave shrines, sarcophagus design, scroll paintings, calligraphy, gardens, architecture, and films. Modes of analysis are introduced to understand how different media effectively conjure up these other worlds and spaces. Also explores how these imaginary worlds displace social reality and cultural aspirations. The ultimate goal is to enable the student to appreciate the crucial role of space in the making of visual culture.

Note: Expected to be omitted in 2007–08.

Literature and Arts B-49. Modernisms 1865–1968 - (New Course)

Catalog Number: 7619

Benjamin Buchloh

Half course (spring term). M., W., at 12, and a weekly section to be arranged. EXAM GROUP: 5

This course introduces the complex and contradictory history of modernism in the visual arts of Europe and the US, focusing on central figures (e.g. Manet, Picasso, Duchamp, Warhol) and movements (e.g. Cubism, Dada, Soviet Avant-garde), as much as on the key concepts of that history. Lectures will emphasize the methodological diversity developed within recent art history to theorize and historicize Modernism. Readings will comprise key texts by artists, historians, and critics.

Literature and Arts B-51. First Nights: Five Performance Premieres

Catalog Number: 0144

Thomas Forrest Kelly

Half course (fall term). M., W., at 10, and a weekly section to be arranged. EXAM GROUP: 3

A study of five famous pieces of music, both as timeless works of art and as moments of cultural history. Close attention is given to techniques of musical listening, and to the details of the first performance of each work, with a consideration of the problems involved in assembling such a picture. Works studied are Beethoven, *Symphony no. 9*; Berlioz, *Symphonie fantastique*; Stravinsky, *Le sacre du printemps*; Handel, *Messiah*; Monteverdi, *Orfeo*. The course concludes with the first performance of a new work especially commissioned for this course.

Literature and Arts B-63. Bach in His Time and Through the Centuries

Catalog Number: 1520

Christoph Wolff

Half course (spring term). M., W., at 10, and a weekly section to be arranged. EXAM GROUP: 3

A study of the music of J.S. Bach in various contexts, focusing on selected vocal and instrumental compositions with particular attention to biographical perspectives, style, genre, and the music of major contemporaries. Beyond this, the encyclopedic nature of Bach's creative output, which renders him one of the most seminal figures in the history of music, lends itself to an examination of his relationship to musical traditions from the Middle Ages through the Baroque, as well as his influence on compositional techniques and aesthetics from the 18th through the 20th century.

Note: Expected to be omitted in 2007–08.



Literature and Arts B-68. Opera

Catalog Number: 0940

Anne C. Shreffler

Half course (spring term). M., W., (F.), at 1, and a weekly section to be arranged. EXAM GROUP: 6

Opera combines dramatic, musical, and visual experiences. It can be intensely moving as well as intellectually stimulating; it offers interior monologues and thrilling virtuosity, a private aesthetic experience and public display. It has flourished in different cultures and has served a wide variety of interests. Our main focus will be on listening to the music of five selected operas and understanding how the music shapes the drama. We shall also reflect on the dramatic content of the librettos and on the operas' historical positions. Students are encouraged to take advantage of live opera in the Boston area.

Note: Expected to be omitted in 2007–08.

[Literature and Arts B-78. Soundscapes: Exploring Music in a Changing World]

Catalog Number: 2093

Kay Kaufman Shelemay

Half course (fall term). M., W., (F.), at 10, and a weekly section to be arranged. EXAM GROUP: 3

Many musical traditions at the turn of the 21st century cross geographic boundaries. Nowhere are diverse music traditions more prominently represented in public performance and maintained in private practice than in North America, where centuries of immigration and an increasingly multiethnic population have given rise to a complex musical environment. "Soundscapes" explores a cross-section of the different musical styles that coexist and interact in today's society, examining their relationship to their historical homelands and to their present-day settings.

Note: Expected to be given in 2008–09.

[Literature and Arts B-82. Sayin' Something: Jazz as Sound, Sensibility, and Social Dialogue]

Catalog Number: 9532

Ingrid Monson

Half course (fall term). M., W., at 11, and a weekly section to be arranged. EXAM GROUP: 4

An examination of jazz improvisation as a musical and social process. Key themes include learning to listen from the "bottom of the band up," and why jazz is perceived to "say something" about social issues--among them racial segregation, interracial encounter through music, the struggle for civil rights, and the aesthetics of modernism. Musical examples drawn from throughout the history of the music illustrate the ongoing dialogue between the musical and the social.

Note: Expected to be given in 2007–08.

Cross-listed Core course that satisfies the Literature and Arts B requirement

The following courses fully listed in the Foreign Cultures area of the Core Curriculum may be taken to meet the Core requirement in Literature and Arts B or in Foreign Cultures, but not both.

Foreign Cultures 21. Cinéma et culture française, de 1896 à nos jours



Departmental courses that satisfy the Literature and Arts B requirement

The following departmental courses may be taken to meet the Literature and Arts B requirement. These courses are not necessarily designed for a general audience; they may assume prior experience or more than could be expected of students seeing the subject for the first time.

[Music 1a. Introduction to Western Music from the Middle Ages to Mozart](#)

[[Music 1b. Introduction to Western Music from Beethoven to the Present](#)]

[Music 2. Foundations of Tonal Music I](#)

[Visual and Environmental Studies 71 \(formerly 171h\). Silent Cinema](#)

[Visual and Environmental Studies 72 \(formerly 172h\). Sound Cinema](#)

Literature and Arts C

[Literature and Arts C-14. Concepts of the Hero in Greek Civilization](#)

Catalog Number: 3915

Gregory Nagy

Half course (fall term). M., W., at 12, and a weekly section to be arranged. EXAM GROUP: 5

The true “hero” of this course is the logos or “word” of logical reasoning, as activated by Socratic dialogue. The logos of dialogue requires careful thinking, realized in close reading and reflective writing. The last “word” in the course will come from Plato’s memories of Socrates’ last days. These memories depend on a thorough understanding of heroic concepts in all their historical varieties throughout Greek civilization. This course leads to such an understanding through dialogues, guiding the attentive reader through many ancient Greek Classics, including works by Homer, Hesiod, Sappho, Alcman, Pindar, Theognis, Aeschylus, Sophocles, Euripides, Herodotus, and Plato.

[Literature and Arts C-18. Hindu Myth, Image, and Pilgrimage](#)

Catalog Number: 7384

Diana L. Eck

Half course (spring term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

An exploration of Hindu myths, images, and pilgrimages in the context of classical and modern Hindu culture. Studies the stories of the gods of India: Vishnu, Krishna, Shiva, and Devi; the heroes and heroines of the Ramayana and the Mahabharata; the temples and visual images of the gods and heroes in the classical and folk traditions; and the pilgrimages that link this mythological and artistic complex to the mountains, rivers, and cities of India.

Note: Expected to be omitted in 2007–08. For students under the Core requirement, counts as either Literature and Arts C or Foreign Cultures, but not both.

[[Literature and Arts C-20. The Hero of Irish Myth and Saga](#)]

Catalog Number: 7817

Tomás Ó Cathasaigh

Half course (spring term). M., W., at 12, and a weekly section to be arranged. EXAM GROUP: 5

A study of the ways in which the hero is represented in early Irish sources, especially in the saga literature. The texts reflect the ideology and concerns of a society which had been converted to



Christianity, but continued to draw on its Indo-European and Celtic heritage. The biographies of the Ulster hero, Cú Chulainn, of his divine father, Lug, and of certain king-heroes are studied in depth. The wisdom literature, and archaeological and historical evidence will be taken into account.

Note: Expected to be given in 2007–08.

Literature and Arts C-22. European Culture in the Middle Ages

Catalog Number: 2020

Jan Ziolkowski

Half course (spring term). Tu., Th., at 1, and a weekly section to be arranged. EXAM GROUP: 15

Studies the culture—literary, artistic, and musical—that was produced and disseminated in the Middle Ages through the fusion of classical education with Christian scriptures and liturgy. Examines major authors and texts in which this culture took shape and expressed itself (such as Augustine, *Song of Roland*, Chrétien de Troyes, *Tristan*, and Dante’s *Inferno*). Relates texts to art, especially manuscript illumination.

Literature and Arts C-25. The Medieval Stage

Catalog Number: 5114

Eckehard Simon

Half course (spring term). Tu., Th., 10–11:30, and a weekly section to be arranged. EXAM GROUP: 12, 13

Case studies of major plays from medieval Europe (mainly France and England) and how they were staged in their original settings (churches, marketplaces, streets). Examines theater as worship and revelry in monasteries and cathedrals, as an expression of emerging town culture, and as a mass medium of religious instruction. Explores the architecture of theater spaces, different stage types, the “theater” of medieval art, and the role of music. Illustrated lectures.

Literature and Arts C-28. Icon-Ritual-Text: Reading the Culture of Medieval Rus’

Catalog Number: 2798

Michael S. Flier

Half course (fall term). M., W., (F.), at 11, and a weekly section to be arranged. EXAM GROUP: 4

An introduction to the culture of the medieval East Slavs, precursors of the Russians, Ukrainians, and Belarusians. The course examines icon and fresco painting, architecture, ritual, music, folklore, and literature in historical and social context for clues to the evolution of an apocalyptic worldview, extending from the Christianization of Rus’ in the 10th century, through the reign of Ivan the Terrible, to the advent of Peter the Great at the end of the 17th century.

Note: Expected to be omitted in 2007–08. All readings in English.

Literature and Arts C-30. How and What Russia Learned to Read: The Rise of Russian Literary Culture

Catalog Number: 7952

William Mills Todd III

Half course (spring term). M., W., (F.), at 10, and a weekly section to be arranged. EXAM GROUP: 3



An exploration in the Russian imperial period (18th–19th centuries) of the development of a secular literary tradition. Focus on institutions of literature, issues of literature and ideology, and the refraction of cultural problems in literary form. Reading of novels by Pushkin, Lermontov, Gogol, Turgenev, Dostoevsky, and Tolstoy in social and historical context.

Note: Expected to be omitted in 2007–08. No knowledge of Russian required.

Literature and Arts C-40. The Chinese Literati

Catalog Number: 5226

Peter K. Bol

Half course (spring term). Tu., Th., at 1, and a weekly section to be arranged. EXAM GROUP: 15

Examines from literary, philosophical, and historical perspectives the creation in later imperial China of an enduring national culture, which flourished through dynastic change and foreign conquest. Particular attention is given to the role of the literati and their work as poets, essayists, novelists, painters, moral philosophers, and political thinkers. Themes include the relation of culture to political authority, the search for grounds for individual responsibility, the literary and artistic representation of the self, growing ambivalence toward political service, and the rise of individualism. Introduces Chinese approaches to interpreting literary, artistic, and philosophical works.

Note: Expected to be omitted in 2007–08. For students under the Core requirement, counts as either Literature and Arts C or Historical Study B, but not both.

Literature and Arts C-42. Constructing the Samurai

Catalog Number: 3743

Harold Bolitho

Half course (fall term). M., W., at 11, and a weekly section to be arranged. EXAM GROUP: 4
Examines the rise and fall of Japan's warrior class and of the *bushido* ethos. Concentrates on two interrelated themes: the historical reality and the construction of a mythology—both positive and negative—in Japanese popular culture and the Western imagination. Themes will include warfare, training, religion, values, art, literature, and family life. Visual materials will be used extensively.

Note: For students under the Core requirement, counts as either Literature and Arts C or Historical Study B, but not both.

Literature and Arts C-43. The Medieval Court

Catalog Number: 5794

Eckehard Simon

Half course (fall term). Tu., Th., 10–11:30, and a weekly section to be arranged. EXAM GROUP: 12, 13

In the High Middle Ages (1100–1250), the European aristocracy created a court culture that became a permanent part of the Western heritage. We study this civilization by reading its greatest literature: the Roland epic, lyrics of the troubadours and minnesingers, the tales of Marie de France, the Arthurian and grail-quest romances of Chrétien and Wolfram, Gottfried's *Tristan*. To probe the complex interrelationship between literature and life, we look, in slide lectures, at the historical context: lordship society, castles and castle life, women and marriage, "courtly love," knights and chivalry, court art, major courts, notable lives.



[Literature and Arts C-50. Russian Imperial Masterworks and Their Post-Histories]

Catalog Number: 2786

Julie A. Buckler

Half course (fall term). M., W., (F.), at 1, and a weekly section to be arranged. EXAM GROUP: 6

Investigates major works of imperial Russian culture (literary, architectural, musical, theatrical) as products of their original historical contexts and in terms of their on-going life as acknowledged “masterworks” in Russia and the West. Works include Rastrelli’s Winter Palace, Falconet’s monument to Peter the Great, Pushkin’s *The Bronze Horseman*, Dostoevsky’s *Notes From the Underground*, Tolstoy’s *War and Peace*, Mussorgsky’s *Boris Godunov*, Tchaikovsky’s *Swan Lake*, Chekov’s *Uncle Vanya*, and Bely’s *Petersburg*, as well as the imperial capital city of St. Petersburg itself. How have these masterworks been variously renewed and reinterpreted since their initial reception?

Note: Expected to be given in 2007–08.

[Literature and Arts C-51. Revolution and Reaction: The Rise and Fall of the Russian Avant-Garde]

Catalog Number: 6984

John E. Malmstad

Half course (spring term). M., W., F., at 11, and a weekly section to be arranged. EXAM GROUP: 4

An introduction to the radical transformations of Russian culture between 1890–1930, with particular attention to the “isms,” avant-garde and otherwise, that shaped society and the arts during a period of rapid modernization and experimentation: Symbolism, Futurism, Cubo-Futurism, Suprematism, Constructivism. Focuses on developments in literature, art, music, ballet, and film, their interaction and relation to the historical context.

Note: Expected to be given in 2007–08. All readings in English. For students under the Core requirement, counts as either Literature and Arts C or Foreign Cultures, but not both.

[Literature and Arts C-55. Surrealism: Avant-Garde Art and Politics between the Wars](#)

Catalog Number: 7818

Susan R. Suleiman

Half course (fall term). M., W., (F.), at 1, and a weekly section to be arranged. EXAM GROUP: 6

An overview of Surrealism in the context of European culture and politics of the 20th century. Focus on major works of writers, artists, and filmmakers associated with the Surrealist movement, chiefly in the period between the two world wars; some attention also paid to earlier works and movements, and to the influence of and reactions to Surrealism after 1945. Discussion of works by Breton, Aragon, Tzara, Lautréamont, Artaud, Eluard, Carrington, Bunuel and Dali, Dulac, Magritte, Tanning, Ernst, Man Ray, Bellmer, and others.

Note: Expected to be omitted in 2007–08.

[Literature and Arts C-56. Putting Modernism Together](#)

Catalog Number: 8437

Daniel Albright

Half course (fall term). Tu., Th., at 12, and a weekly section to be arranged. EXAM GROUP: 14



Just as a pine or a willow is known from the shape of its branching, so human culture can be understood as a growth-pattern, a ramifying of artistic, intellectual, and political action. This course tries to find the center of the Modernist movement (1872–1927) by studying the literature, music, and painting of the period, to see whether some congruence of effort in all these media can be found. By looking at the range of artistic production in a few key years, we come to know this age of aesthetic extremism, perhaps unparalleled in Western history.

Literature and Arts C-61. The Rome of Augustus

Catalog Number: 1101

R. J. Tarrant

Half course (spring term). Tu., Th., at 12, and a weekly section to be arranged. EXAM GROUP: 14

Roman culture and society in a period of radical transformation, the lifetime of the first emperor, Augustus (63 BCE–14 CE). Focuses on the interplay between a new set of political realities and developments in literature, the visual arts, and the organization of private and social life.

Readings (all in translation) from Catullus, Cicero, Virgil, Horace, Livy, Propertius, Ovid, and Tacitus, with special attention to the two great masterworks of the period, Virgil's *Aeneid* and Ovid's *Metamorphoses*. Most lectures illustrated with slides.

Note: Expected to be omitted in 2007–08. For students under the Core requirement, counts as either Literature and Arts C or Historical Study B, but not both.

Literature and Arts C-65. Repression and Expression: Literature and Art in *Fin-de-siècle* Germany and Austria

Catalog Number: 4312

Peter J. Burgard

Half course (spring term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12

Examines German and Austrian literature and art of the period 1880–1920 in terms of gender, sexuality, and language. Begins with readings of Nietzsche and Freud that establish the thematic parameters of investigation and that enable an understanding of the extent to which this period in cultural history is grounded in their ideas. Discussions of individual texts and paintings focus on how problems of gender, sexuality, and language both intersect and reflect one another in the literature and art of the age. Readings include Nietzsche, Freud, Wedekind, Schnitzler, Hofmannsthal, Mann, Musil, Kafka. Artists include Klimt, Schiele, Kokoschka, Kirchner, Marc, Kandinsky.

Note: No knowledge of German required.

Literature and Arts C-67. The German Colonial Imagination

Catalog Number: 9369

Judith Ryan

Half course (spring term). Tu., Th., at 1, and a weekly section to be arranged. EXAM GROUP: 15

Representations of German colonialism in fiction and film. Consideration of the following topics: Bismarck's colonial policies, late 19th-century critiques of colonialism, controversies about the notion of the noble colonist, turn-of-the-century legal debates, National Socialism and



its attempts to revive the idea of German colonialism, recent critiques of German colonialism.

Note: Expected to be omitted in 2007–08.

Literature and Arts C-70. From the Hebrew Bible to Judaism, From the Old Testament to Christianity

Catalog Number: 5275

Shaye J.D. Cohen

Half course (spring term). M., W., (F.), at 10, and a weekly section to be arranged. EXAM GROUP: 3

The Hebrew Scriptures, what Christians call the “Old Testament” and Jews call the “Bible,” are the basis of both Judaism and Christianity. In this course we shall survey how this work of literature, through interpretation and re-interpretation, spawned two different cultural systems. Topics to be surveyed include: canon and prophecy; exegesis and *Midrash*; Shabbat and Sunday; temple, synagogue, church; the Oral Torah and the Logos; sin and righteousness; messiah and redemption.

Cross-listed Core course that satisfies the Literature and Arts C requirement

The following courses fully listed in the Historical Study B area of the Core Curriculum may be taken to meet the Core requirement in Literature and Arts C or in Historical Study B, but not both. [Historical Study B-19. The Renaissance in Florence]

The following courses fully listed in the Foreign Cultures area of the Core Curriculum may be taken to meet the Core requirement in Literature and Arts C or in Foreign Cultures, but not both. Foreign Cultures 67. Popular Culture in Modern China

Foreign Cultures 67. Popular Culture in Modern China

[Historical Study B-19. The Renaissance in Florence]

Departmental courses that satisfy the Literature and Arts C requirement

The following departmental courses may be taken to meet the Literature and Arts C requirement. These courses are not necessarily designed for a general audience; they may assume prior experience or more than could be expected of students seeing the subject for the first time.

[English 167p. Postcolonial Narratives]

English 177. Art and Thought of the Cold War

Moral Reasoning

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

The common aim of courses in Moral Reasoning is to discuss significant and recurrent questions of choice and value that arise in human experience. They seek to acquaint students with the important traditions of thought that have informed such choices in the past and to enlarge the students’ awareness of how people have understood the nature of the virtuous life. The courses



are intended to show that it is possible to reflect reasonably about such matters as justice, obligation, citizenship, loyalty, courage, and personal responsibility.

Moral Reasoning

Moral Reasoning 17. Democracy and Inequality

Catalog Number: 6085

Harvey C. Mansfield

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

In what ways are we equal, in what ways unequal or different? Which are more essential? How much should moral reasoning be guided by our equality, how much by inequality? Can democracy do justice to both? These questions are considered and answered by reading Plato's *Republic*, Hobbes' *Leviathan*, and Tocqueville's *Democracy in America*: three beautiful books presenting the best argument for aristocracy, the most realistic basis for equality, and the best analysis of democracy.

Note: Expected to be omitted in 2007–08.

[Moral Reasoning 22. Justice]

Catalog Number: 3753

Michael J. Sandel

Half course (fall term). M., W., (F.), at 11, and a weekly section to be arranged. EXAM GROUP: 4

A critical analysis of selected classical and contemporary theories of justice, with discussion of present-day practical applications. Topics include affirmative action, income distribution, same-sex marriage, free speech vs. hate speech, debates about rights (human rights and property rights), arguments for and against equality, debates about political obligation and the claims of community. Readings include Aristotle, Locke, Kant, Mill, and Rawls.

Note: Expected to be given in 2007–08.

[Moral Reasoning 28. Ethics and International Relations]

Catalog Number: 0642

Stanley Hoffmann

Half course (fall term). Tu., Th., 2–3:30 and a weekly section to be arranged. EXAM GROUP: 16, 17

Is ethical action in international affairs possible—or does the absence of global moral consensus and a central world government doom states and citizens to the amoral pursuit of clashing national interests? The course considers contrasting arguments by philosophers and social thinkers (e.g., Thucydides, Machiavelli, Kant, and Weber) as well as specific issues in contemporary international politics: intervention and the use of force, the morality of nuclear deterrence, human rights, distributive justice, and the moral responsibilities of leaders and citizens.

Note: Expected to be given in 2007–08.

Moral Reasoning 33. Issues in Ethics

Catalog Number: 2255

Thomas M. Scanlon, Jr.



Half course (fall term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12
Is pleasure the only ultimate good? Are individuals' preferences the only basis for assessing the quality of their lives? What makes acts wrong? Is moral blame applicable only to agents who have free will? Should we accept moral relativism? Readings mainly from contemporary philosophers.

Moral Reasoning 40. Confucian Humanism: Self-Cultivation and Moral Community

Catalog Number: 0466

Wei-Ming Tu

Half course (spring term). Tu., Th., at 12, and a weekly section to be arranged. EXAM GROUP: 14

Explores a style of moral reasoning informed by Confucian humanism, which takes self-cultivation as the basis for the development of a moral community. Focuses on the perception of the self as a center of relationships and the conviction that society ought to be a community of trust. Although our main concern is to understand Confucian ethics as a form of "virtue-centered" morality, attention is also given to a critical analysis of the limits of Confucian ethics in light of contemporary discussions of such issues as human rights and political authority.

Note: Expected to be omitted in 2007–08.

[Moral Reasoning 54. "If There is No God, All is Permitted": Theism and Moral Reasoning]

Catalog Number: 1321

Jay M. Harris

Half course (spring term). M., W., (F.), at 12, and a weekly section to be arranged. EXAM GROUP: 5

This course will examine the ways in which a concept of God has informed Western moral discourse trying to help students engage the literature as they consider why one might think "if there is no God, all is permitted" and why one might think if there is a God, human moral achievement is impossible.

Note: Expected to be given in 2007–08.

[Moral Reasoning 56. Self, Freedom, and Existence]

Catalog Number: 6507

Richard Moran

Half course (spring term). M., W., (F.), at 2, and a weekly section to be arranged. EXAM GROUP: 7

How is human freedom possible? Does acting freely mean acting in accordance with reasons or acting arbitrarily, or neither? Are values chosen, discovered, or invented? How is self-knowledge possible and how is it different from the knowledge of others? Specific issues to be discussed include: self-deception and bad faith; the nature of freedom and autonomy; subjectivity and our relation to others; rationality and irrationality. Readings, which will provide an introduction to a few of the major texts of Existentialism, will be drawn from Kant, Sartre, Dostoevsky, and various contemporary writers.

Note: Expected to be given in 2008–09.



Moral Reasoning 58. Slavery in Western Political Thought

Catalog Number: 8892

Richard Tuck

Half course (spring term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

The ownership of one man by another is an obvious and profound affront to many of our fundamental ideas about morality, and yet for much of human history it was defended—and often by the greatest moral and political philosophers. How was this possible? The course will trace the theme of slavery through the arguments of political theorists from the ancient world to the present and will study the way in which the rejection of slavery became intellectually possible. These theoretical arguments will be considered in the context of the changing history of slavery as an institution.

Moral Reasoning 66. Moral Reasoning about Social Protest

Catalog Number: 7778

Susanna Siegel

Half course (spring term). M., W., at 10, and a weekly section to be arranged. EXAM GROUP: 3

An examination of moral questions that arise in the context of social protest in the US during the 20th century, including the central question of political philosophy: How can political authority be justified? After studying the Attica prison revolt of 1971, we will consider the following questions: Is there an obligation to obey the law? What, if any, are the moral limits to this obligation? Can civil disobedience be justified, and does it always need to be? Texts include classic excerpts from Plato, Hobbes, Rawls, and Marx.

Moral Reasoning 74. The Theory and Practice of Republican Government

Catalog Number: 1489

Daniel P. Carpenter

Half course (spring term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12

A theoretical and historical survey of the evolution of republican (representative) government, with a particular focus upon Anglo-American institutions. We will alternate between philosophical treatments and empirical studies of republican regimes. Questions include: How did republican government evolve centuries before mass elections? Did arguments for legislative supremacy prefigure the rise of parliamentary authority? If so, how? What is the role of virtue in a democratic republic? How can government ensure the “rule of the wise” without fostering autocratic power? What institutions besides elections keep the ruled attuned to the people? What critique might republican theory advance of emerging “populist” arrangements?

Note: Expected to be omitted in 2007–08.

[Moral Reasoning 76. Comparative Religious Ethics] - (New Course)

Catalog Number: 7037

Anne E. Monius (Divinity School)

Half course (spring term). M., W., at 11, and a weekly section to be arranged. EXAM GROUP: 4

Predicated on the assumption that global concerns are manifest in highly particularized cultural and religious circumstances, this course seeks to understand Hindu, Buddhist, and Christian framings of and prospective solutions to the problem of communal violence in the modern world.



Topics examined in each tradition include: conceptions of moral subjectivity, frameworks for moral education, close readings of novels that grapple with the moral challenges (especially new forms of violence) wrought by colonization and globalization, and explicitly religious responses to such violence in the work of Gandhi, Buddhist monastic communities in Sri Lanka, and Archbishop Desmond Tutu.

Note: Expected to be given in 2007–08.

Moral Reasoning 78. Classical Chinese Ethical and Political Theory - (New Course)

Catalog Number: 9742

Michael J. Puett

Half course (fall term). M., W., at 10, and a weekly section to be arranged. EXAM GROUP: 3
How should one make moral choices? What is the best way to live a moral life? How should the state be organized to best encourage proper human behavior? And what happens if the state comes to be formed as an empire? What are the proper moral ways to respond? Questions such as these were at the heart of classical Chinese philosophical debates. This course will be the study of how the classical Chinese thinkers wrestled with these questions and what responses they gave. As we will quickly see, the views that arose in China were among the most powerful and influential in human history. Regardless of whether one agrees with these views or not, they should be studied and taken seriously by anyone who cares about ethics and politics.

Note: Expected to be omitted in 2007–08.

Departmental courses that satisfy the Moral Reasoning requirement

The following departmental courses may be taken to meet the Moral Reasoning requirement. These courses are not necessarily designed for a general audience; they may assume prior experience or more than could be expected of students seeing the subject for the first time.

Government 1060. The History of Ancient and Medieval Political Philosophy

Government 1061. The History of Modern Political Philosophy

Philosophy 178. Equality and Democracy

Quantitative Reasoning

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

The aim of courses in this area is to introduce students to mathematical and quantitative modes of thought. Some courses emphasize theoretical aspects of mathematics or statistical reasoning: a course on number theory or deductive logic, for example, would fall under this heading. Other courses in this area explore the application of quantitative methods to questions in the natural sciences, social sciences, or humanities: courses on making decisions under uncertainty, or on analyzing demographic trends are examples of such applications.

Quantitative Reasoning

Quantitative Reasoning 20. Computers and Computing

Catalog Number: 5430

William H. Bossert



Half course (spring term). M., W., F., at 9, and a weekly section to be arranged. EXAM GROUP: 2

An algorithm is an unambiguously stated procedure for accomplishing a specific task on the basis of the given information in a given environment. The term is often associated with computer programs. The course will examine a number of algorithms with regard to their design and analysis of their relative efficiency. A central theme is the close interaction between the form of an algorithm and the representation and format of information with which it works. Students will learn to design and implement programs of modest complexity in a modern programming language.

Note: Previous programming experience is not required.

Quantitative Reasoning 22. Deductive Logic

Catalog Number: 2508

Peter Koellner

Half course (fall term). M., W., (F.), at 10, and a weekly section to be arranged. EXAM GROUP: 3

The concepts and principles of symbolic logic: valid and invalid arguments, logical relations of statements and their basis in structural features of those statements, the analysis of complex statements of ordinary discourse to uncover their structure, the use of a symbolic language to display logical structure and to facilitate methods for assessing arguments. Analysis of reasoning with truth-functions (“and”, “or”, “not”, “if...then”) and with quantifiers (“all”, “some”). Attention to formal languages and axiomatics, and systems for logical deduction. Throughout, both the theory underlying the norms of valid reasoning and applications to particular problems will be investigated.

[Quantitative Reasoning 24. Health Economics and Policy]

Catalog Number: 4667

David M. Cutler

Half course (fall term). Tu., Th., 10–11:30, and a weekly section to be arranged. EXAM GROUP: 12, 13

Analysis of the medical care system is fundamental to economics and other social sciences, as well as many professional schools. This course uses quantitative methods (graphical analysis, algebra, survey design) to examine health and medical systems. Topics to be covered include rich and poor country health, medical systems, and policy responses. Techniques, including the required use of a computer spreadsheet, will be developed and demonstrated in class and section. *Note:* Expected to be given in 2007–08.

Quantitative Reasoning 28. The Magic of Numbers

Catalog Number: 4764

Benjamin Weinkove

Half course (fall term). M., W., F., at 10, and a weekly section to be arranged. EXAM GROUP: 3

This course will explore the beauty and mystery of mathematics through a study of the patterns and properties of the natural numbers 1, 2, 3, We discuss various special classes of numbers, such as prime numbers, factorials, and binomial coefficients, and the many ways they arise in mathematics. We will discuss questions in probability (such as: the likelihood that two people in a class of 25 have the same birthday). We also study modular arithmetic and secret codes based



on it.

Note: No mathematical background beyond high school algebra assumed. Emphasis is placed on discovery through conjecture and experimentation.

[Quantitative Reasoning 32. Uncertainty and Statistical Reasoning]

Catalog Number: 2228

Carl N. Morris

Half course (fall term). Tu., Th., 10–11:30, and a weekly section to be arranged. EXAM

GROUP: 12, 13

Individuals continually must make decisions under uncertainty in their personal and in their professional lives. This course develops probability as the appropriate language for describing uncertainty and shows how statistical data and planned studies can be crucial when evaluating probabilities and associated risks. Students will learn how others think about uncertainty and risk and how better to assess uncertainty in their own lives. The course introduces concepts and the language of probability and statistics with an emphasis on its relationship to quantifying uncertainty for use in daily life. Examples will be drawn from the media, science, law, medicine, and government.

Note: Expected to be given in 2007–08.

Quantitative Reasoning 33. Causal Inference

Catalog Number: 0424

Donald B. Rubin

Half course (spring term). Tu., Th., 11:30–1, and a weekly section to be arranged. EXAM

GROUP: 13, 14

Do private schools do a better job than their public counterparts? Does the existence of the QRR improve the quantitative literacy of the undergraduates at Harvard? Such questions dominate many decision-making processes, but only rarely are their “answers” based on the careful collection and analysis of empirical data. This course confronts such causal questions and how to reach inferentially valid answers that summarize uncertainty using formal probabilistic statements.

Quantitative Reasoning 34. Counting People: Demography and Human Affairs

Catalog Number: 4329

Peter T. Ellison

Half course (fall term). Tu., Th., 1:30–3, and a weekly section to be arranged. EXAM GROUP: 15, 16

The size, composition, distribution, and dynamics of human populations arise as important variables in many domains of inquiry spanning traditional academic boundaries, including sociology, history, economics, government, public health, and environmental science. This course seeks to introduce students to the field of human demography as both an area of study and a mode of inquiry. Emphasis is placed on understanding the methods by which inferences concerning the nature, distribution, and dynamics of human populations are made. Students analyze real demographic data from a country of their choice.

[Quantitative Reasoning 36. Statistics and Public Policy]

Catalog Number: 7412



Christopher Winship

Half course (spring term). M., W., F., at 9, and a weekly section to be arranged. EXAM GROUP: 2

Statistics are used ubiquitously in the support of various public policy claims. The purpose of this course is to examine the statistical methods used in making such claims and understand their potential strengths and weaknesses. The course examines Sampling, Characteristics of Distributions, Basic Probability, Statistical Reference, Measurement and Scaling, Measures of Association, Experiments, Quasi-Experiments, and Causal Inference. The goal is to acquire a clear, conceptual understanding of methods as opposed to the ability to manipulate formulas.

Note: Expected to be given in 2007–08.

Quantitative Reasoning 38. The Strategy of International Politics

Catalog Number: 7119

Lisa L. Martin

Half course (spring term). Tu., Th., 10–11:30, and a weekly section to be arranged. EXAM GROUP: 12, 13

International politics is often about strategic interaction among states. When governments make choices about economic, military, or environmental policies, they take into account the likely responses and actions of others. This course introduces the logic of strategic interaction by way of game theory. The principles of game theory are introduced, and students learn how to solve simple games. Mathematical topics covered include probabilities, set theory, linear equations, and quadratic equations. The games are motivated and illustrated with examples drawn from international politics. The logic and techniques developed in this class have wide applications outside the field of international relations.

[Quantitative Reasoning 46. The Visual Display of Information: The Art of Numbers]

Catalog Number: 9479

Alyssa A. Goodman

Half course (spring term). Tu., Th., 1–2:30, and a weekly section to be arranged. EXAM GROUP: 15, 16

This course focuses on the insight into quantitative information offered by graphs, tables, charts, maps, and other illustrations. We analyze which of these tools are best for communicating what kinds of data, and why. Ideas about causality, approximation, statistical significance, credibility, and dimensionality will be addressed by analyzing real data and their display. The data will be drawn from medical, astronomical, social-science, aerospace, financial, and geographic examples. Approximately one-quarter of the course will focus on web and live presentations of data. Much of the course's philosophy is based on the work of Edward Tufte.

Note: Expected to be given in 2007–08.

Quantitative Reasoning 48. Bits

Catalog Number: 2793

Harry R. Lewis

Half course (spring term). M., W., F., at 11, and a weekly section to be arranged. EXAM GROUP: 4

Information as quantity, resource, and property. Application of quantitative methods to understanding how information technologies inform issues of public policy, regulation, and law.



How are music, images, and telephone conversations represented digitally, and how are they moved reliably from place to place through wires, glass fibers, and the air? Who owns information, what forms of regulation and law restrict the communication and use of information, and does it matter? How can secrets and personal privacy be protected at the same time as society benefits from communicated or shared information?

Note: Expected to be omitted in 2007–08. Mathematical methods will be developed in the context of the course material. No mathematical background beyond high-school algebra is required.

Quantitative Reasoning 50. Medical Detectives

Catalog Number: 5707

Karin B. Michels (Medical School, Public Health)

Half course (fall term). M., W., F., at 9, and a weekly section to be arranged. EXAM GROUP: 2

Why is there confusion in the scientific community as to whether butter or margarine is worse for your health? How do epidemiologists find out whether cell phone use increases your risk for brain cancer? What is your risk of contracting diabetes? Discover how researchers draw on quantitative skills to detect causes of acute disease outbreaks and chronic diseases. This course introduces the techniques and methods for empirically based analyses, decisions, and actions in the context of current public health problems.

Departmental courses that satisfy the Quantitative Reasoning requirement

The following departmental courses may be taken to meet the Quantitative Reasoning requirement. These courses are not necessarily designed for a general audience; they may assume prior experience or more than could be expected of students seeing the subject for the first time.

Applied Mathematics 21a. Mathematical Methods in the Sciences

Computer Science 50. Introduction to Computer Science I

Mathematics 1a. Introduction to Calculus

Mathematics 1b. Calculus, Series, and Differential Equations

Mathematics 19a (formerly Mathematics 19). Modeling and Differential Equations for the Life Sciences

Mathematics 19b. Linear Algebra, Probability, and Statistics for the Life Sciences - (New Course)

Mathematics 20. Introduction to Linear Algebra and Multivariable Calculus

Mathematics 21a. Multivariable Calculus

Mathematics 21b. Linear Algebra and Differential Equations

Mathematics 23a. Theoretical Linear Algebra and Multivariable Calculus I

Mathematics 23b. Theoretical Linear Algebra and Multivariable Calculus II

Mathematics 25a. Honors Multivariable Calculus and Linear Algebra

Mathematics 25b. Honors Multivariable Calculus and Linear Algebra

***Mathematics 55a. Honors Advanced Calculus and Linear Algebra**

Mathematics 55b. Honors Advanced Calculus and Linear Algebra

Statistics 100. Introduction to Quantitative Methods

[Statistics 101. Introduction to Quantitative Methods]

Statistics 102. Fundamentals of Biostatistics



Statistics 104. Introduction to Quantitative Methods
Statistics 110. Introduction to Probability

The following departmental courses taken together may be used to meet the Quantitative Reasoning requirement.

Mathematics Xa. Introduction to Functions and Calculus I
Mathematics Xb. Introduction to Functions and Calculus II

Science

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

The common aim of the courses in Science is to explore the phenomena, ways of observing and understanding them, theories that synthesize them, and the undergirding methodology that, taken together, result in the scientific perception of our world. This world encompasses the very small—elementary particles, nuclei, atoms, molecules, genes, and cells; the very large—the Earth, the solar system, and the universe; and living things, including human beings in the past and present. Each course addresses one or several of these topics in some depth. Students participate by solving problems, and by observing or by experimenting in the laboratory. This exposure helps to develop scientific literacy and numeracy, thereby leading to a better understanding of today's technologically and scientifically oriented society.

Science A

Courses in this section, largely concerned with the physical sciences, deal with the analysis of natural phenomena through quantitative descriptions and synthesis of their simple elements.

Science B

Courses in this section, emphasizing biological, evolutionary, and environmental science, present semiquantitative and frequently descriptive accounts of complex systems that cannot yet be fully analyzed on the basis of their simple elements.

Science A

Science A-29. The Nature of Light and Matter

Catalog Number: 1706

Roy J. Glauber and Ronald L. Walsworth

Half course (spring term). M., W., F., at 10, and a weekly section to be arranged. EXAM

GROUP: 3

Explores the ultimate nature of light and develops closely related insights into the structure of matter. An excursion through the physical world that proceeds by means of colorful lecture demonstrations drawn from several areas of optics, acoustics, electricity, and magnetism. The course concentrates on describing natural laws in terms of vivid and useful images emphasizing, for example, the common features of musical instruments, broadcast transmitters, and radiating atoms. The behavior of waves of various sorts is used to explain the fundamentals of modern



communication techniques and to illustrate the limitations imposed on our knowledge by the uncertainty principle.

Science A-30. The Atmosphere

Catalog Number: 0477 Enrollment: Limited to 60.

Steven C. Wofsy and Daniel J. Jacob

Half course (spring term). Tu., Th., 9–10:30. EXAM GROUP: 11, 12

The physical and chemical processes that regulate climate and the composition of the atmosphere are introduced, including mechanics, thermodynamics, radiation, and chemical kinetics.

Atmospheric temperature and precipitation, weather and climate, human activity as a factor for change, influence of carbon dioxide from fossil fuel on the climate, modification of stratospheric ozone by industrial chemicals, air pollution, acid rain.

[Science A-35. Matter in the Universe]

Catalog Number: 5923 Enrollment: Limited to 325.

Robert P. Kirshner

Half course (spring term). Tu., Th., 12–1:30, and a weekly section to be arranged. EXAM GROUP: 14, 15

The nature and history of matter revealed by astronomical observation and experimental physics. Explores the Big Bang and models of the universe, stellar evolution and supernova explosions, evidence for invisible matter, and the development of structure in the universe. Demonstrates the physical principles used to interpret astronomical data and to construct a model for the evolution of the universe on the microscopic and cosmic scales. Examines the way microscopic properties of matter determine properties of people, stars, galaxies, and the universe as a whole.

Note: Expected to be given in 2007–08.

[Science A-36. Observing the Sun and the Stars]

Catalog Number: 4775

Jonathan E. Grindlay

Half course (fall term). Tu., Th., 11:30–1, and two one-hour laboratory sessions (daytime and evening) to be arranged. EXAM GROUP: 13, 14

Direct observations of the Sun and the stars, to learn how we can understand the Galaxy and the Universe from stars, the basic building blocks. Students conduct visual observations to measure apparent motions of the Sun and stars, laboratory experiments with light and spectra, and make telescopic observations of the Sun and stars using modern instrumentation to explore their energy output, relative distances, temperatures and chemical composition, and something of their life histories. Lectures and readings discuss the physical nature and evolution of stars as well as how stars are organized in our Milky Way Galaxy, and in the Universe.

Note: Expected to be given in 2007–08.

[Science A-39. Time]

Catalog Number: 0077

Gary J. Feldman

Half course (fall term). Tu., Th., 1:30–3, and a weekly section to be arranged. EXAM GROUP: 15, 16

Studies the evolution, over the past three centuries, of our concept of time and of related



questions, such as the predictability of the future. Newtonian mechanics envisions a universal time, symmetric between past and future. The distinction between past and future emerges in the 19th century from considerations of statistical processes. In the 20th century, the theory of relativity forces fundamental changes in the concept of time. Time ceases to be universal and becomes entangled with space and gravity. Quantum mechanics limits the predictability of the future and introduces verified effects so weird that Einstein wrote of them, “No reasonable definition of reality could be expected to permit this.”

Note: Expected to be given in 2007–08.

Prerequisite: Some knowledge of secondary school physics useful, but not required.

Science A-41. The Einstein Revolution

Catalog Number: 3581

Peter L. Galison

Half course (spring term). Tu., Th., 9:30–11, and a 90-minute weekly section to be arranged.

EXAM GROUP: 11, 12

Albert Einstein has become the icon of modern science. Following his scientific, cultural, philosophical, and political trajectory, this course aims to track the changing role of physics in the 20th- and 21st- centuries. Addresses Einstein’s engagement with relativity, quantum mechanics, Nazism, nuclear weapons, philosophy, and technology, and raises basic questions about what it means to understand physics and its history.

Note: Expected to be omitted in 2007–08.

Science A-43. Environmental Risks and Disasters

Catalog Number: 6001

Brendan J. Meade

Half course (fall term). M., W., F., at 11, and a 60-minute weekly section to be arranged. EXAM GROUP: 4

An introduction to risks in the environment. Different types of hazards are analyzed and compared: natural disasters, such as tornados, earthquakes, and meteorite impacts; adverse health effects caused by exposure to radiation and toxic substances such as radon, asbestos, and arsenic; long-term effects due to environmental change, such as sea level rise and global warming. Emphasizes the basic physical principles controlling the hazardous phenomena and develops simple quantitative methods for making scientifically reasoned assessments of the threats posed by hazardous events, processes, and exposures. Discusses methods of risk mitigation and sociological, psychological, and economic aspects of risk control and management.

[Science A-45. Reality Physics]

Catalog Number: 4562

Gerald Gabrielse

Half course (spring term). M., W., 12–1:30, and a weekly section to be arranged. EXAM GROUP: 5, 6

What flows from electrical wall sockets, cell phones, and power lines? What are the risks? How do magnetic resonance imaging, X-rays, and CT scans take pictures within our bodies, and with what danger? What are the lasers that inhabit grocery store checkout counters and CD players? What are atomic clocks? How have they and GPS satellites revolutionized navigation for backpackers and ships? How does Einstein’s famous formula describe the energy release from



nuclei? What are nuclear reactors and nuclear waste? This quantitative study of the physics of daily life is intended to enable more informed choices in our society.

Note: Expected to be given in 2008–09.

Science A-47. Cosmic Connections

Catalog Number: 6940

David Charbonneau

Half course (fall term). M., W., F., at 10, and a weekly section to be arranged. EXAM GROUP: 3

This course will examine the origin and evolution of stars and planets, and will consider connections between astronomical events and the conditions that seem necessary for life to develop. The underlying theme is that humans are a part of an evolving Universe and that our presence is linked to the cosmos at large. To tell this story, we must talk about how the Earth and the Sun came about, and ultimately how the Milky Way and the Universe were created.

Science A-49. The Physics of Music and Sound

Catalog Number: 8987

Eric J. Heller

Half course (fall term). M., W., 1–2:30, and a weekly section to be arranged. EXAM GROUP: 6, 7

Sound and music are integral parts of all human cultures, and play critical roles in communications and social interactions. In this course, we explore the science of the production, transmission, and perception of sound, with the aim of expanding both scientific and artistic horizons. Topics will include the nature of vibrations, resonance, interference, harmony, dissonance, musical instruments, and human auditory response. Principles of physics are slowly worked into the course as topics arise. The mathematical background of students is assumed to be at the level of high school algebra and trigonometry.

Science A-50. Invisible Worlds: Micro- and Nanothings. Science, Technology, and Public Policy

Catalog Number: 5565

George M. Whitesides and Mara Prentiss

Half course (fall term). M., W., F., at 10, and a weekly section to be arranged. EXAM GROUP: 3

What we perceive as “reality” is the best effort of our senses to interpret a deeper, largely invisible, reality that is unnervingly strange. This course will survey the world of very small things, objects with dimensions of nanometers and micrometers. The behaviors of these objects are often entirely counterintuitive; they can also be quite useful. Micro- and nanostructures are the basis both of fundamentally new science, and of ubiquitous technologies: quantum dots, computers, the biological nanomotors that power muscle, buckyballs, tools for examining single mammalian cells, lasers. The course will describe these objects and how they function; it will also touch on issues of commercialization, economics, public policy, and ethics that spring from the avalanche of discovery and invention in this area.

[Science A-52. Energy, Environment, and Industrial Development]

Catalog Number: 1387

Frederick H. Abernathy and Michael B. McElroy

Half course (spring term). M., W., 1:30–3, and a weekly section to be arranged. EXAM GROUP:



6, 7

Uses the historical background of industrial development from the New England industrial revolution as the framework for studying the technical aspects of succeeding waves of industrial development. Study and understanding of the underlying technologies will develop the technical knowledge and computational skills to prepare citizens to make informed numerical estimates of energy use and environmental consequences of current and proposed energy and industrial systems. Principles of physics and chemistry are worked into the course as dictated by the topics.
Note: Expected to be given in 2007–08.

Prerequisite: Students are expected to have a background of high school algebra and trigonometry.

Science A-54. Life as a Planetary Phenomenon

Catalog Number: 5680 Enrollment: Limited to 60.

Andrew H. Knoll and Dimitar D. Sasselov

Half course (spring term). Tu., Th., 11:30–1, and a weekly section to be arranged. EXAM GROUP: 13, 14

This course considers the relationship between life and the planet on which it resides. It examines the scientific quest to understand where life might thrive beyond Earth. On Earth, life was born of planetary processes and has been sustained by plate tectonics and other physical processes. Through evolution, life has in fact emerged as major influence on our planet's surface. Fundamental features of terrestrial life and evolution are addressed in the context of astronomy, planetary physics and chemistry. These, in turn, provide a basis for the exploration for other habitable planets, both within our solar system and in the greater universe.

Departmental courses that satisfy the Science A requirement

The following departmental courses may be taken to meet the Science A requirement. These courses are not necessarily designed for a general audience; they may assume prior experience or more than could be expected of students seeing the subject for the first time.

Chemistry 17. Principles of Organic Chemistry

Chemistry 20. Organic Chemistry

Chemistry 27. Organic Chemistry of Life

Chemistry 30. Organic Chemistry

Earth and Planetary Sciences 5. Introduction to Environmental Science: Atmosphere, Ocean, and Biosphere

Earth and Planetary Sciences 7. Introduction to Geological Sciences

***Engineering Sciences 50. Introduction to Electrical Engineering**

Life Sciences 1a. An Integrated Introduction to the Life Sciences: Chemistry, Molecular Biology, and Cell Biology

Physical Sciences 1. Chemical Bonding, Energy, and Reactivity: An Introduction to the Physical Sciences - (New Course)

Physical Sciences 2. Mechanics, Elasticity, Fluids, and Diffusion - (New Course)

Physics 11a. Mechanics

Physics 11b. Electricity, Magnetism, and Waves

Physics 15a. Introductory Mechanics and Relativity



[Physics 15b. Introductory Electromagnetism](#)

[Physics 15c. Wave Phenomena](#)

[Physics 16. Mechanics and Special Relativity](#)

Science B

[Science B-23. The Human Organism](#)

Catalog Number: 6581

Joseph D. Brain (Public Health), Stephanie A. Shore (Public Health), and Richard L. Verrier (Medical School)

Half course (spring term). M., W., F., at 12, plus two two-hour laboratories and periodic section meetings to explore special topics in depth. EXAM GROUP: 5

The physiology and pathophysiology of the human body will be presented with special emphasis on cardiovascular, respiratory, endocrine, and reproductive biology. Besides learning human biology, students will identify critical determinants of their health as well as the health status of diverse communities. Topics include not only the normal functioning of these systems but also their responses to infection, injury, and environmental stress. Through lectures and laboratories, students will explore how their own body functions. The relative power of diagnosis and treatment of disease (medicine) versus primary prevention of disease (public health) in promoting health will be emphasized.

[Science B-27. Human Evolution](#)

Catalog Number: 0470

Daniel E. Lieberman

Half course (spring term). Tu., Th., 1–2:30, and a 90-minute weekly section to be arranged.

EXAM GROUP: 15, 16

Why are humans the way we are? To address this question, this course reviews what happened in human evolution from the divergence of the ape and human lineages to the origins of our own species, *Homo sapiens*. Emphasis is placed on the primary fossil, archaeological, and comparative evidence for human evolution, and on the principles of evolutionary theory, behavioral ecology, functional morphology, and molecular evolution used to interpret these data. *Note: Expected to be omitted in 2007–08.*

[Science B-29. Evolution of Human Nature](#)

Catalog Number: 0152 Enrollment: Limited to 300.

Marc D. Hauser and John E. Dowling

Half course (spring term). Tu., Th., 11:30–1, and a 90-minute weekly section/laboratory to be arranged. . EXAM GROUP: 13, 14

Human biology and behavior are considered in a broad evolutionary context, showing how the facts of development, physiology, neurobiology, reproduction, cognition, and especially behavior are informed by evolutionary theory and comparative evidence. Field and experimental data on other species are introduced with the aim of illuminating human behavior. Behavior is traced from its evolutionary function as adaptation, through its physiological basis and associated psychological mechanisms, to its expression. The role of ecology and social life in shaping human behavior is examined through the use of ethnographies and cross-cultural materials on a variety of human cultures. Topics include basic genetics, neural and neuroendocrine systems,



behavioral development, sex differences, kinship and mating systems, ecology, language, and cognition.

Science B-35. How to Build a Habitable Planet

Catalog Number: 7621

Charles H. Langmuir

Half course (fall term). Tu., Th., 10–11:30, and a weekly section to be arranged. EXAM GROUP: 12, 13

The steps involved in creation of our habitable planet: the Big Bang, origin of the elements, formation of minerals, origin of the solar system, formation of planets, origin of life, co-evolution of ocean, atmosphere, solid earth and biosphere, development of plate tectonics, operation of the modern whole earth system, and climate regulation. Finally we consider the arising of intelligent life that can understand and influence the planetary system, and whether Earth may be a microcosm reflecting laws of planetary evolution that may be common to a class of planets throughout the universe, or alternatively may be a low probability accident.

Science B-40. The Biology of Trees and Forests

Catalog Number: 2635

Donald H. Pfister

Half course (spring term). Tu., Th., 10–11:30, and a weekly section/laboratory to be arranged. EXAM GROUP: 12, 13

Trees are prominent and important organisms in the ecosystem. By photosynthesis, trees convert carbon dioxide into organic molecules that are used as energy reserves and as structural components of these plants. Oxygen is also released. Trees, carbon cycling, and the greenhouse effect are intimately intertwined. This course uses trees as examples to explore several facets of plant biology as they relate to identification, growth, reproduction, physiology of transport, ecology, management, and use of plant products.

Science B-44. Vision and Brain

Catalog Number: 4722

Patrick Cavanagh

Half course (fall term). M., W., 1–2:30, and a weekly section to be arranged. EXAM GROUP: 6, 7

Focuses on the mechanisms by which the brain understands the visual world. Topics include the nature of light in the environment, physical properties of the eye, techniques of depiction in art, structure and function of the normal visual system, and deficits arising from damage to the eye or the brain. The course will survey interdisciplinary material from physics, physiology, medicine, psychology, and art.

[Science B-47. Molecules of Life]

Catalog Number: 3330

Stuart L. Schreiber and Jon Clardy (Medical School)

Half course (fall term). Tu., Th., 10–11:30, and a weekly section to be arranged. EXAM GROUP: 12, 13

DNA, RNA, and proteins play central roles in life. By considering the relationships of these molecules, many of the foundations of life can be understood. Nevertheless, another family of



molecules, named “small molecules,” is key not only to understanding the principles and origins of life, but also to ensuring the highest quality of healthcare for humans. Small molecules are powerful probes of the circuitry of cells and the wiring of genomes. They are also the link between chemistry, biology, and medicine. These links, the principles of living organisms, and modern genomic medicine are explored.

Note: Expected to be given in 2007–08.

Science B-53. Marine Biology

Catalog Number: 7050

Robert M. Woollacott

Half course (fall term). Tu., Th., 1–2:30, and a two-hour weekly section to be arranged. EXAM GROUP: 15, 16

Explores the life histories and adaptations of marine life and the ecosystems of the sea. Centers on the complex interrelationships of organisms, the diversity of various habitats, reproductive strategies, and speciation as well as the interplay of currents, light, temperature, and nutrient supply on the distribution of life in the sea.

Prerequisite: Secondary school biology.

Science B-57. Dinosaurs and Their Relatives

Catalog Number: 0793

Charles R. Marshall

Half course (spring term). Tu., Th., 9:30–11, and a weekly section to be arranged. EXAM GROUP: 11, 12

Comprehensive exploration of the biology, evolution, and extinction of the dinosaurs and their closest relatives. Through this exploration, core concepts in paleontology, evolutionary biology, and geology will be introduced. Weekly sections center on the examination of fossil material.

[Science B-60. Origins of Knowledge]

Catalog Number: 8280

Susan E. Carey and Elizabeth S. Spelke

Half course (fall term). M., W., F., at 11, and a weekly section to be arranged. EXAM GROUP: 4

This course explores the origins and development of knowledge in the human child, in relation to two larger time scales: biological evolution and historical/cultural change. Drawing on evidence from experimental, comparative, and developmental psychology, cultural anthropology, linguistics, cognitive neuroscience, and history of science, it focuses on knowledge development in the domains of number, space, mind, biology, physics, and language. Questions include: How does human biology constrain and support human cognition? How variable are human knowledge systems across different cultures and times? What aspects of knowledge are unique to humans? How does knowledge change as children grow and adults gain expertise?

Note: Expected to be given in 2007–08.

[Science B-62. The Human Mind]

Catalog Number: 3167

Steven Pinker

Half course (spring term). Tu., Th., 1:30–3, and a weekly section to be arranged. EXAM GROUP: 15, 16



An introduction to the workings of the human psyche. The course will introduce major approaches to the study of the mind such as psychoanalysis, behaviorism, cognitive neuroscience, and evolutionary psychology; controversies such as nature-nurture, consciousness, and free will; and specific topics such as perception, reasoning, language, emotion, sexuality, cooperation, love, violence, humor, beauty, religion, and the self. Research from numerous disciplines will be discussed: primarily scientific psychology, but also neuroscience, genetics, evolution, artificial intelligence, philosophy, and the social sciences.

Note: Expected to be given in 2007–08.

Science B-64. Feeding the World; Feeding Yourself

Catalog Number: 2078

N. Michele Holbrook and Noreen Tuross

Half course (spring term). M., W., F., at 11, and a weekly section to be arranged. EXAM

GROUP: 4

What is the capacity of our planet to feed the ever increasing human population? The biological basis for agricultural productivity, the history of human innovation in increasing crop production, and the opportunities to increase agricultural yields in the 21st Century. Explores plant domestication, efficiency of energy conversion by plants, limitations due to resource availability, the power of classing breeding, the green revolution, the opportunities (and risks) associated with genetic manipulation, and the challenges resulting from climate change.

Departmental courses that satisfy the Science B requirement

The following departmental courses may be taken to meet the Science B requirement. These courses are not necessarily designed for a general audience; they may assume prior experience or more than could be expected of students seeing the subject for the first time.

Engineering Sciences 6. Environmental Science and Technology

Life Sciences 1b. An Integrated Introduction to the Life Sciences: Genetics, Genomics, and Evolution

MCB 52 (formerly Biological Sciences 52). Molecular Biology

MCB 54 (formerly Biological Sciences 54). Cell Biology

MCB 80 (formerly Biological Sciences 80). Neurobiology of Behavior

OEB 10. Foundations of Biological Diversity - (New Course)

OEB 52 (formerly OEB 124). Biology of Plants

OEB 53 (formerly Biological Sciences 53). Evolutionary Biology

OEB 57 (formerly Biological Sciences 57). Animal Behavior

OEB 139. Evolution of the Vertebrates

Social Analysis

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

The common aim of courses in Social Analysis is to acquaint students with some of the central concepts and methods of the social sciences and to show how these approaches can enhance our understanding of contemporary human behavior. Social Analysis courses are not intended to provide a survey of a particular discipline, but rather to show how, by the use of formal theories



that are systematically related to empirical data, one can better understand the application of analytical methods to important problems involving the behavior of people and institutions.

Social Analysis

Social Analysis 10. Principles of Economics

Catalog Number: 3660

N. Gregory Mankiw, and members of the Economics Department

Full course. M., W., F., at 12. Sections also meet at 9, 10, 11, 12, 1, or 2. EXAM GROUP: 5

Introduction to economic issues and basic principles and methods of economics. Fall term focuses on microeconomics: how markets work, market efficiency and market failure, firm and consumer behavior, and policy issues such as taxation, international trade, the environment, and the distribution of income. Spring term focuses on macroeconomics: economic growth, inflation, unemployment, the business cycle, the financial system, international capital flows and trade imbalances, and the impact of monetary and fiscal policy.

Note: Microeconomics (taught in the fall term) is a prerequisite for macroeconomics (taught in the spring term). Students may elect to take only the fall microeconomics course and receive a half-course credit. Taught in a mixture of lectures and small sections. No calculus is used, and there is no mathematics background requirement. Designed for both potential economics concentrators and those who plan no further work in the field. The Department of Economics strongly encourages students considering concentration to take the full-year course in their freshman year. This is a required course for all economics concentrators and a prerequisite for higher level courses in economics.

Social Analysis 28. Culture, Illness, and Healing: An Introduction to Medical Anthropology

Catalog Number: 4247

Arthur Kleinman

Half course (spring term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12

An inquiry into the role of health and medicine in society that demonstrates how anthropological analysis can be applied to the study of illness and care. Compares medical systems across societies to understand the experience and treatment of sickness. Analyzes how practitioners and patients construe sickness and suffering as distinctive social realities, and how those realities are organized in local cultural systems. Assesses varieties of suffering as social phenomena in order to appreciate the social sources of global social problems, the cross-cultural variety of illness experiences, the reform of services, and the global moral and political-economic crisis in health care.

Note: Expected to be omitted in 2007–08.

Social Analysis 34. Knowledge of Language

Catalog Number: 2069

Cedric Boeckx

Half course (spring term). M., W., at 1, and a weekly section to be arranged. EXAM GROUP: 6

What does our ability to acquire and use a language tell us about our essential human nature? This course examines the view of modern linguistics that knowledge of language is best characterized as an unconsciously internalized set of abstract rules and principles. Evidence is



drawn from a variety of signed and spoken languages, language universals, child language acquisition, language change, language disorders, and language games. The course also addresses central issues in psychology, animal communication, computer science, and biology.

[Social Analysis 43. Psychological Trauma]

Catalog Number: 9983

Richard J. McNally

Half course (spring term). M., W., at 1, and a weekly section to be arranged. EXAM GROUP: 6

Few topics in contemporary American culture have sparked as much controversy as has psychological trauma. Although clinical interest in trauma waxed and waned since the 1890s when Freud proposed that people repress memories of childhood sexual assault, interest has markedly increased since 1980 when the American Psychiatric Association ratified the diagnosis of posttraumatic stress disorder (PTSD) to describe the problems of troubled combat veterans of the Vietnam War. The purpose of this course is to survey the clinical, historical, cultural, and political aspects of psychological trauma.

Note: Expected to be given in 2007–08.

Social Analysis 46. Thinking about Politics: A Rational Choice Approach

Catalog Number: 3544

Kenneth A. Shepsle

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

A commonsensical survey of rational theories of politics, comprised of four segments: (1) individual choice, (2) group choice, (3) collective action, and (4) institutions. The underlying theme is that politics may be described and understood in terms of rational, goal-seeking behavior by citizens, politicians, bureaucrats, and interest groups in various institutional settings. Students are encouraged to think deeply and with sophistication about current events, history, and public life generally, as well as to analyze the politics of private life—in families, clubs, firms, churches, universities, even Harvard Houses—since private politics, like public politics, may be understood in terms of rational behavior.

Social Analysis 50. Urban Revolutions: Archaeology and the Investigation of Early States

Catalog Number: 4409

C. C. Lamberg-Karlovsky

Half course (fall term). Tu., Th., at 10, and a 90-minute weekly section to be arranged. EXAM GROUP: 12

Examines the development and structure of the earliest state-level societies in the ancient world. Archaeological approaches are used to analyze the major factors behind the processes of urbanization and state formation in Mesopotamia, Egypt, Central Asia, the Indus Valley, and Mesoamerica. The environmental background as well as the social, political, and economic characteristics of each civilization are compared to understand the varied forces that were involved in the transitions from village to urbanized life. Discussion sections utilize archaeological materials from the Peabody Museum and Semitic Museum collections to study the archaeological methods used in the class.

Note: No previous knowledge of archaeology is necessary.



Social Analysis 52. The Political Economy of Development

Catalog Number: 1879

Robert H. Bates

Half course (fall term). M., W., (F.), at 11, and a weekly section to be arranged. EXAM GROUP: 4

Growth and development imply a transformation in the politics and economics of nations. How does this transformation take place? What economic forces and political struggles propel it? Drawing on anthropology, political science, and economics, the course explores the process of urbanization, state formation, war-making, and development.

Social Analysis 54. American Society and Public Policy

Catalog Number: 6661

Theda Skocpol and Mary C. Waters

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

How do social problems get redefined over time; why do they appear differently to various groups; and how are public policies about problematic social conditions debated, devised, and changed? Looking over modern US history, this course combines demographic data on societal trends, ethnographic data on people's everyday lives and outlooks, and evidence about changing institutional structures. This combination of approaches often pursued separately in the social sciences is used to explore recurrent yet shifting controversies about the well-being of families and children, about immigration and citizenship, and about access to health care in the US.

Social Analysis 66. Race, Ethnicity, and Politics in the United States

Catalog Number: 0916

Jennifer L. Hochschild

Half course (spring term). M., W., at 11, and a weekly section to be arranged. EXAM GROUP: 4

How are racial divisions and American political structures related? Is racial/ethnic hierarchy built into American politics so deeply that the nation must change dramatically to eradicate it? Or is racial/ethnic hierarchy a flaw in an essentially fair society that we can eradicate without major dislocation? Half of the course addresses this set of questions. How do African Americans, Anglos, Latinos, and Asian Americans relate to one another? The second half of the course considers interracial coalitions, racialization and assimilation, multiracialism, and policy issues relevant to various groups. We conclude with several visions of racial and ethnic politics in America's future, and address how to get there.

[Social Analysis 70. Food and Culture]

Catalog Number: 3940

James L. Watson

Half course (spring term). M., W., at 10, and a weekly section to be arranged. EXAM GROUP: 3

Food is examined for its social and cultural implications; nutritional or dietetic concerns are of secondary interest. Topics include food taboos and restrictions, gift giving and reciprocity, food symbolism and social boundaries, food panics, globalization of food industries, food security and agroterrorism, and the world standardization of food preferences. Examples are drawn from China, Japan, Korea, India, Latin America, Africa, Europe, the Pacific, and the US.

Note: Expected to be given in 2007–08.



[Social Analysis 72. Economics: A Critical Approach]

Catalog Number: 1885

Stephen A. Marglin

Half course (fall term). M., W., 2–3:30, and a weekly section to be arranged. EXAM GROUP: 7, 8

This course critically examines the assumptions of modern economics and how these assumptions mold the ideas and conclusions of the discipline. A principal question is the appropriate scope of the market. This question will be examined both theoretically and through examples drawn from both microeconomics and macroeconomics; possible examples include minimum wage and “living wage” legislation, health care, the environment, international trade, social security, and macroeconomic stabilization.

Note: Expected to be given in 2007–08. Primarily taught in lectures, with section meetings offering a chance both to clarify concepts and to discuss applications. Calculus is not used, and there is no mathematics prerequisite. Unlike Social Analysis 10, this course does not fulfill the introductory course requirement for the Economics Department. Moreover, most upper level courses in Economics normally require Social Analysis 10 as a prerequisite; without this prerequisite, enrollment is at the discretion of the instructor.

Social Analysis 74. Visible Language: Writing Systems, Scripts, and Literacy

Catalog Number: 3835

John Huehnergard

Half course (spring term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

Can we read this? Why? How is it possible to record speech and thoughts in visible form, and to understand what others have recorded? Writing may be the most important human invention, yet it has been invented only a handful of times. We will investigate how writing represents speech and thought in visual form, origins of writing five millennia ago, types of writing (pictographic, syllabic, alphabetic), decipherment, the cultural impact of literacy. We will consider scripts such as Mesopotamian cuneiform, Egyptian hieroglyphs, Chinese, Mayan glyphs, Japanese, Korean, recently-invented scripts, and alphabets, including our own, that arose from Semitic consonant systems.

Social Analysis 76. Global Health Challenges

Catalog Number: 2178

Christopher Murray (Medical School, Public Health)

Half course (fall term). M., W., (F.), at 10, and a weekly section to be arranged. EXAM GROUP: 3

This course introduces the principal health problems of the world’s populations, and the major challenges to improving health at a global level. It is an inter-disciplinary exploration of the factors that account for these health patterns, ranging from their physiological basis to their economic, social and political context. Topics include: infectious diseases, risk factors, health system performance, and the role of international agencies. Throughout the course, a heavy emphasis is placed on what we know and how we know about global health problems. Students are encouraged to think creatively about the nature of these problems and ways to solve them.

Departmental courses that satisfy the Social Analysis requirement



The following departmental courses may be taken to meet the Social Analysis requirement. These courses are not necessarily designed for a general audience; they may assume prior experience or more than could be expected of students seeing the subject for the first time.

[Economics 1010a. Microeconomic Theory](#)
[Economics 1010b. Macroeconomic Theory](#)
[Economics 1011a. Microeconomic Theory](#)
[Economics 1011b. Macroeconomic Theory](#)
[Government 1780. International Political Economy](#)

General Education Electives, House Seminars, and Freshman Seminars

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Freshman Seminars

Georgene B. Herschbach, Associate Dean of Undergraduate Academic Programs (*ex officio*)
(*Chair*)

Lawrence Buell, Powell M. Cabot Professor of American Literature

Lizabeth Cohen, Howard Mumford Jones Professor of American Studies

Gerard F. Denault, Associate Director of the Freshman Seminar Program (*ex officio*)

Jerry R. Green, John Leverett Professor and David A. Wells Professor of Political Economy (*on leave spring term*)

Virginie Greene, Professor of Romance Languages and Literatures

J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences

John W. Hutchinson, Abbott and James Lawrence Professor of Engineering and Gordon McKay Professor of Applied Mechanics

Sandra Naddaff, Senior Lecturer on Literature and Comparative Literature (*Director of the Freshman Seminar Program, ex officio*)

Stephanie Sandler, Ernest E. Monrad Professor of Slavic Languages and Literatures

Other Faculty Offering Instruction in General Education Electives and House Seminars

Humanities

Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures

Homi K. Bhabha, Anne F. Rothenberg Professor of the Humanities

Julie A. Buckler, Professor of Slavic Languages and Literatures



Verena A. Conley, Visiting Professor of Comparative Literature and of Romance Languages and Literatures (*on leave spring term*)

Mark C. Elliott, Mark Schwartz Professor of Chinese and Inner Asian History

James Engell, Gurney Professor of English Literature and Professor of Comparative Literature

Marjorie Garber, William R. Kenan, Jr. Professor of English and American Literature and Language and of Visual and Environmental Studies

Stephen J. Greenblatt, Cogan University Professor

Christopher D. Johnson, Assistant Professor of Comparative Literature

Sean D. Kelly, Professor of Philosophy

Thomas A. Lewis, Assistant Professor of Christian Studies

Louis Menand, Anne T. and Robert M. Bass Professor of English and American Literature and Language

Stephen A. Mitchell, Professor of Scandinavian and Folklore

Michael J. Puett, Professor of Chinese History

Elaine Scarry, Walter M. Cabot Professor of Aesthetics and the General Theory of Value

Diana Sorensen, James F. Rothenberg Professor of Romance Languages and Literatures and of Comparative Literature, Dean for the Humanities

Maria Tatar, John L. Loeb Professor of Germanic Languages and Literatures (*on leave 2006-07*)

Roberto Mangabeira Unger, Roscoe Pound Professor of Law (*Law School*)

Richard K. Wolf, Harris K. Weston Associate Professor of the Humanities

Life Sciences

Daniel L. Hartl, Higgins Professor of Biology

Craig P. Hunter, Professor of Molecular and Cellular Biology

Daniel E. Kahne, Professor of Chemistry and Chemical Biology (*FAS*) and Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

David R. Liu, Professor of Chemistry and Chemical Biology

Robert A. Lue, Professor of the Practice of Molecular and Cellular Biology

Andrew W. Murray, Herchel Smith Professor of Molecular Genetics

Erin K. O'Shea, Professor of Molecular and Cellular Biology

Maryellen Ruvolo, Professor of Anthropology

John R. Wakeley, Professor of Organismic and Evolutionary Biology

Physical Sciences

James G. Anderson, Philip S. Weld Professor of Atmospheric Chemistry

Melissa Franklin, Mallinckrodt Professor of Physics

Efthimios Kaxiras, Gordon McKay Professor of Applied Physics and Professor of Physics

Andrew J. M. Kiruluta, Assistant Professor of Radiology (*Medical School*)

Charles M. Lieber, Mark Hyman, Jr. Professor of Chemistry

Masahiro Morii, John L. Loeb Associate Professor of the Natural Sciences

Hongkun Park, Professor of Chemistry and Chemical Biology

Aravinthan D. T. Samuel, Associate Professor of Physics

Howard A. Stone, Vicky Joseph Professor of Engineering and Applied Mathematics

George M. Whitesides, Woodford L. and Ann A. Flowers University Professor



Other General Education Electives

Donald M. Berwick, Associate Professor in the Department of Health Policy and Management (*Public Health*) and Clinical Professor of Pediatrics and Health Care Policy (*Medical School*)
 David Blumenthal, Samuel O. Thier Professor of Medicine and Professor of Health Care Policy (*Medical School*)
 Richard G. Frank, Margaret T. Morris Professor of Health Economics (*Medical School*)
 Howard H. Hiatt, Professor of Social Medicine and of Medicine (*Medical School*) and Professor of Medicine (*Public Health*)
 Anthony G. Oettinger, Gordon McKay Professor of Applied Mathematics and Professor of Information Resources Policy
 Warner V. Slack, Professor of Medicine (*Medical School*)

House Seminars

Shahram Khoshbin, Associate Professor of Neurology (*Medical School*)
 Clifford Lo, Assistant Professor of Pediatrics (*Medical School*) and Assistant Professor of Nutrition (*Public Health*)
 Armand M. Nicholi II, Clinical Professor of Psychiatry (*Medical School*)

Other Faculty Offering Instruction in the Freshman Seminar Program

Donald G. M. Anderson, Gordon McKay Professor of Applied Mathematics
 Arthur I. Applbaum, Professor of Ethics and Public Policy (*Kennedy School*)
 Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures
 Paul G. Bamberg, Senior Lecturer on Mathematics
 Paul J. Barreira, Associate Professor of Psychiatry (*Medical School*)
 Suzanne P. Blier, Allen Whitehill Clowes Professor of Fine Arts and Professor of African and African American Studies
 Edyta M. Bojanowska, Lecturer on Slavic Languages and Literatures, Junior Fellow of the Society of Fellows, Contin Ed/Spec Prog Instructor
 Jonathan H. Bolton, Assistant Professor of Slavic Languages and Literatures
 Allan M. Brandt, Professor of the History of Science (FAS) and Amalie Moses Kass Professor of the History of Medicine (*Medical School*)
 Sue Brown, Lecturer on Linguistics (*spring term only*)
 Lawrence Buell, Powell M. Cabot Professor of American Literature
 Michael R. Canfield, Lecturer on Organismic and Evolutionary Biology
 David L. Carrasco, Neil L. Rudenstine Professor for the Study of Latin America (*FAS, Divinity School*)
 Judith F. Chapman, Lecturer on Anthropology
 Lizabeth Cohen, Howard Mumford Jones Professor of American Studies
 Shaye J.D. Cohen, Nathan Littauer Professor of Hebrew Literature and Philosophy
 Richard N. Cooper, Maurits C. Boas Professor of International Economics
 S. Allen Counter, Associate Professor of Neurology (*Medical School*)
 Edwin A. Cranston, Professor of Japanese Literature
 Cole M. Crittenden, Lecturer on Slavic Languages and Literatures



Noah I. Dauber, Lecturer on Social Studies
 Kimberly C. Davis, Lecturer on History and Literature
 Kathleen Donohue, Associate Professor of Biology
 John Duffy, Dumbarton Oaks Professor of Byzantine Philology and Literature, Associate of Eliot House (*on leave fall term*)
 Marla D. Eby, Assistant Professor of Psychology (*Medical School*)
 Catherine Z. Elgin, Professor of Education (*School of Education*)
 Noam D. Elkies, Professor of Mathematics
 Jacob M. Emery, Lecturer on Literature
 Myron Essex, Mary Woodard Lasker Professor of Health Sciences (*Public Health*)
 Gary J. Feldman, Frank B. Baird, Jr. Professor of Science
 Philip J. Fisher, Harvard College Professor and Felice Crowl Reid Professor of English and American Literature
 Rena Fonseca, Lecturer on History and Literature
 David R. Foster, Senior Lecturer on Biology
 Deborah D. Foster, Senior Lecturer on Folklore and Mythology
 Robert France, Adjunct Associate Professor of Landscape Ecology (*Design School*)
 Donald B. Giddon, Clinical Professor of Developmental Biology (*Medical School*)
 Roy J. Glauber, Mallinckrodt Professor of Physics
 Donald A. Goldmann, Professor of Pediatrics (*Medical School*) and Professor of Immunology and Infectious Diseases (*Public Health*)
 Jene A. Golovchenko, Rumford Professor of Physics and Gordon McKay Professor of Applied Physics
 George G. Grabowicz, Dmytro Cyzevs'kyj Professor of Ukrainian Literature
 Rachel L. Greenblatt, Instructor [convertible] in Near Eastern Languages and Civilizations, Assistant Professor of Near Eastern Languages and Civilizations
 Stephen J. Greenblatt, Cogan University Professor
 Jerome E. Groopman, Dina and Raphael Recanati Professor of Medicine (*Medical School*)
 Benedict H. Gross, George Vasmer Leverett Professor of Mathematics and Dean of Harvard College
 Karl S. Guthke, Kuno Francke Professor of German Art and Culture (*on leave spring term*)
 Alfred F. Guzzetti, Osgood Hooker Professor of Visual Arts (*on leave spring term*)
 Peter Dobkin Hall, Lecturer on History
 Evelyn M. Hammonds, Professor of the History of Science and of African and African American Studies
 James Hanken, Professor of Biology and Herpetology and Alexander Agassiz Professor of Zoology in the Museum of Comparative Zoology (*on leave fall term*)
 Mark G. Hanna, Lecturer on History and Literature, Contin Ed/Spec Prog Instructor
 Jay M. Harris, Harry Austryn Wolfson Professor of Jewish Studies
 J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences
 Marc D. Hauser, Harvard College Professor and Professor of Psychology
 Anna A. Henchman, Lecturer on History and Literature
 Charles W. M. Henebry, Lecturer on History and Literature, Preceptor in Expository Writing
 Dudley R. Herschbach, Frank B. Baird, Jr. Research Professor of Science
 Barbara L. Hillers, Associate Professor of Celtic Languages and Literatures
 David H. Hubel, Research Professor of Neurobiology (*Medical School*)



John P. Huchra, Robert O. and Holly Thomis Doyle Professor of Cosmology
John Huehnergard, Professor of Semitic Philology
Francis Abiola Irele, Visiting Professor of African and African American Studies and of Romance Languages and Literatures
Maxine Isaacs, Lecturer on Government
Jay Jasanoff, Diebold Professor of Indo-European Linguistics and Philology
Laura K. Johnson, Lecturer on History and Literature
Robert J. Kiely, Donald P. and Katherine B. Loker Research Professor of English
Amy M. Kittelstrom, Lecturer on History and Literature
William Klemperer, Erving Research Professor of Chemistry
Roberto G. Kolter, Professor of Microbiology and Molecular Genetics (*Medical School*)
Ellen Condliffe Lagemann, Charles Warren Professor of the History of American Education (*School of Education*)
Elisabeth L. Laskin, Lecturer on History
Jennifer Leaning, Professor of International Health (*Public Health*) and Assistant Professor of Medicine (*Medical School*)
Myron Lecar, Lecturer on Astronomy
Tun-Hou Lee, Professor of Virology (*Public Health*)
Patti T. Lenard, Lecturer on Social Studies
Jonathan Ian Levy, Mark and Catherine Winkler Assistant Professor of Environmental Health and Risk (*Public Health*)
Malinda Maynor Lowery, Assistant Professor of History (*on leave 2007-08*)
Theodore Macdonald, Lecturer on Social Studies
Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science (*on leave spring term*)
James N. Mancall, Lecturer on History and Literature
Ernest R. May, Charles Warren Professor of American History
David McCann, Korea Foundation Professor of Korean Literature
Timothy P. McCarthy, Lecturer on History and Literature
Melissa M. McCormick, John L. Loeb Associate Professor of the Humanities
John C. McMillian, Lecturer on History and Literature
Louis Menand, Anne T. and Robert M. Bass Professor of English and American Literature and Language
Everett I. Mendelsohn
Karin B. Michels, Associate Professor of Epidemiology (*Public Health*) and Associate Professor of Obstetrics, Gynecology, and Reproductive Biology (*Medical School*)
Ralph Mitchell, Gordon McKay Professor of Applied Biology
Ken Nakayama, Edgar Pierce Professor of Psychology
Charles A. Nelson, Professor of Pediatrics (*Medical School*)
Carol J. Oja, William Powell Mason Professor of Music
John G. Palfrey, Clinical Professor of Law (*Law School*)
Judith Palfrey, T. Berry Brazelton Professor of Pediatrics (*Medical School*)
David C. Parkes, John L. Loeb Associate Professor of the Natural Sciences
Sharrona Pearl, Lecturer on History and Literature
David Pilbeam, Henry Ford II Professor of Human Evolution
Nikolas Prevelakis, Lecturer on Social Studies



Mylène Priam, Assistant Professor of Romance Languages and Literatures
 Lisa Randall, Professor of Physics
 Nancy Rappaport, Assistant Professor of Psychiatry (*Medical School*)
 Michael R. Reich, Taro Takemi Professor of International Health Policy (*Public Health*)
 Louise M. Richardson, Senior Lecturer on Government
 Panagiotis Roilos, Associate Professor of Modern Greek, Professor of Modern Greek Studies
 Amelie Rorty, Visiting Professor of Social Studies (*Yale University*)
 James R. Russell, Mashtots Professor of Armenian Studies
 Robert J. Sampson, Henry Ford II Professor of the Social Sciences (*on leave spring term*)
 Stephanie Sandler, Ernest E. Monrad Professor of Slavic Languages and Literatures
 Elaine Scarry, Walter M. Cabot Professor of Aesthetics and the General Theory of Value
 Fred C. Schaffer, Lecturer on Social Studies
 Ronald Schouten, Associate Professor of Psychiatry (*Medical School*)
 Sharmila Sen, Assistant Professor of English and American Literature and Language
 Steven Shapin, Franklin L. Ford Professor of the History of Science
 Kay Kaufman Shelemay, G. Gordon Watts Professor of Music and Professor of African and African American Studies
 Anne C. Shreffler, James Edward Ditson Professor of Music
 P. Oktor Skjaervo, Aga Khan Professor of Iranian
 Christine Smith, Robert C. and Marian K. Weinberg Professor of Architectural History (*Design School*) (*on leave fall term*)
 Amy L. Spellacy, Lecturer on History and Literature
 Stefan Sperling, Lecturer on the History of Science
 Rachel St. John, Assistant Professor of History
 Jessica E. Stern, Lecturer on Government
 Sarah Stewart-Mukhopadhyay, Assistant Professor of Planetary Science
 Christopher Stubbs, Professor of Physics and of Astronomy
 Maureen E. Sullivan
 Lisa Szeffel, Lecturer on History and Literature, Fellow in the W.E.B. Du Bois Institute for African and African American Research
 Rabun Taylor, Associate Professor of History of Art and Architecture
 Xiaofei Tian, Professor of East Asian Languages and Civilizations
 Michael Tinkham, Rumford Research Professor of Physics and Gordon McKay Research Professor of Applied Physics
 Helen Vendler, Arthur Kingsley Porter University Professor
 Adam Webb, Lecturer on Social Studies
 Daniel I. Wikler, Mary B. Saltonstall Professor of Population Ethics and Professor of Ethics and Population Health (*Public Health*)
 Richard Wilson, Mallinckrodt Professor of Physics, *Emeritus*

General Education Electives

The Faculty of Arts and Sciences has been involved in a process of curricular renewal for the past three years. As a direct result of these curricular discussions, the following courses in Humanities, Life Sciences, and Physical Sciences have emerged from different parts of the



faculty as portals or gateways into broad areas of knowledge. They are listed in this section of the catalog for the 2006-07 academic year only in order to serve as a signpost to help students navigate the curriculum as it is in a state of transition. Once final determinations are made about the structure of new or revised general education requirements, these and other related courses will be reviewed and located in the appropriate and relevant sections of the catalog.

General Education Courses: Humanities

***Humanities 10. An Introductory Humanities Colloquium - (New Course)**

Catalog Number: 3983 Enrollment: Limited to 36.

Stephen J. Greenblatt and Louis Menand

Half course (fall term). Tu., 10–11:30, and a weekly section to be arranged. EXAM GROUP: 12, 13

The course is designed for students interested in concentrating in a Humanities discipline. We cover major works of literature and ideas from Homer, Plato, and Aristotle to Nietzsche, Freud, and Joyce. Many of the texts have thematic connections; we hope that all of them will stimulate interest in the kinds of issues addressed in humanistic studies.

Note: Ninety-minute lecture-discussion, plus one-hour section led by the instructors. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

Humanities 11. Self, Serenity, and Vulnerability: East and West - (New Course)

Catalog Number: 2401

Michael J. Puett and Roberto Mangabeira Unger (Law School)

Half course (spring term). W., 4:45–6:45. EXAM GROUP: 9

A comparative inquiry into forms of moral consciousness and their metaphysical assumptions in the high cultures of the East and West. Background concern: divergent ways in which philosophy, religion, and art in the East and West have dealt with the fear that our lives and the world itself may be meaningless. Foreground theme: contrast between two existential attitudes—staying out of trouble and looking for trouble. Texts include Chinese, Indian, ancient Greek, and modern European philosophy.

Humanities 12. “Strange Mutations”: Classical and Renaissance Representations of the Human Condition - (New Course)

Catalog Number: 9725

Christopher D. Johnson

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

The course examines how foundational Western literary and philosophic texts represent the nature, meaning, and limits of human existence. Focuses on diverse ways becoming and being human are represented in antiquity and then considers how these representations are transformed and combined in the Renaissance. Authors include Sappho, Homer, Plato, Ovid, Montaigne, Shakespeare, Cervantes, and Descartes. Close attention given to the literary and rhetorical aspects of the course readings.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.



Humanities 14. Existentialism in Literature and Film - (New Course)

Catalog Number: 3524

Sean D. Kelly

Half course (fall term). Tu., Th., at 12; Th., at 2. EXAM GROUP: 14

What is it to be a human being? How can human beings live meaningful lives? These questions guide our discussion of theistic and atheistic existentialism and their manifestations in literature and film. Material includes philosophical texts from Pascal, Kierkegaard, Nietzsche, Sartre; literature from Dostoevsky, Kafka, Beckett; films from Jean-Luc Godard, Alain Resnais, Carol Reed.

Humanities 15. On Being Human: Religious and Philosophical Conceptions of the Self -

(New Course)

Catalog Number: 5438

Thomas A. Lewis

Half course (spring term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12

An examination of classic and contemporary views on the nature of human existence. Central themes include the relation between reason and emotion, the nature of human freedom, and the significance of personal history and memory. We also ask how conceptions of who we are shape views about how we should live. Sources include religious and philosophical texts (such as those of Aristotle, Augustine, Kierkegaard, and Charles Taylor) as well as recent films.

Note: Offered jointly with the Divinity School as 2411.

Humanities 16. Existential Fictions: From Saint Augustine to Jean-Paul Sartre and Beyond - (New Course)

Catalog Number: 3016

Verena A. Conley

Half course (fall term). Tu., Th., at 12; Th., at 4; F., at 12. EXAM GROUP: 14

This course examines problems of existence in relation to self and other in the world from the early Christian era to our days. It shows how *existence* preoccupies major writers who have approached its implications (and the dilemmas it inspires) in different ways. At stake are the redemptive powers of religion, thoughts about the death of God, the limits of atheism, and philosophies of becoming.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

[Humanities 18 (formerly Religion 1801). For the Love of God and His Prophet: Religion, Literature, and the Arts in Muslim Cultures]

Catalog Number: 0110

Ali S. Asani

Half course (fall term). Hours to be arranged.

The course surveys the literary and artistic dimensions of the devotional life of the world's Muslim communities, focusing on the role of literature and the arts (poetry, music, architecture, calligraphy, etc.) as expressions of piety and socio-political critique. An important aim of the course is to explore the relationships between religion, literature, and the arts in a variety of historical and cultural contexts in the Middle East, sub-Saharan Africa, South Asia, and the



West.

Note: Expected to be given in 2007–08. No prior knowledge of Islam required. Offered jointly with the Divinity School as 3627.

[Humanities 21 (formerly Spanish 155). The Making of Cultural and Political Myths in Latin America]

Catalog Number: 7904

Diana Sorensen

Half course (spring term). Hours to be arranged.

How have certain historical figures been transformed into mythical forces? How have they been made to articulate culture and politics? We study the ways in which Eva Perón, Che Guevara, Simón Bolívar, and La Malinche have been turned into veritable systems of communication in varied historical moments, according to debates located in their political and ideological contexts. Our approach is interdisciplinary: we study literary texts, politics, history, gender theory, films, photography, and journalism.

Note: Expected to be given in 2007–08.

[Humanities 22. Global Pathways] - (New Course)

Catalog Number: 2938

Homi K. Bhabha

Half course (fall term). Hours to be arranged.

A critical interpretation of literature combining an interdisciplinary approach with a global (or transnational) perspective in an effort to better understand the relationship between them. Examines such terms as internationalism, cosmopolitanism, colonialism, imperialism, and globalization in a literary context and looks at geographically diverse literary genres in the context of identity, landscape and the depiction of nature, civil states and colonial societies, cities and citizens, religion and morality, and the quest for security and prosperity.

Note: Expected to be given in 2007–08.

[Humanities 24. The Cult of Childhood and Its History, Philosophy, and Literature] - (New Course)

Catalog Number: 4852 Enrollment: Limited to 40.

Maria Tatar

Half course (spring term). Hours to be arranged.

With the so-called discovery or invention of childhood in the 16th and 17th centuries came a newfound emotional attachment, imaginative investment, and philosophical interest in the child. We explore literature for the child (*Alice in Wonderland*) as well as literature about the child (*Lolita*) and investigate how childhood has been constructed, investigated, and represented. Analysis of works by Locke, Rousseau, and Freud, as well as Dickens, J. M. Barrie, Henry James, and Roald Dahl.

Note: Expected to be given in 2007–08.

[Humanities 25. Literature and Human Suffering] - (New Course)

Catalog Number: 6766

James Engell

Half course (spring term). Hours to be arranged.



How does literature represent life visited by loss, pain, disappointment, and even death? The course pursues aesthetic and ethical issues grouped around such themes as sorrow and love; racial oppression, genocide, and slavery; individual, family, state—crime and justice; war and duty; and anguish of existence and belief. Discussion of literary genres (epic, novel, drama, memoir). Works by Shakespeare, Goethe, Tolstoy, Anne Frank, Primo Levi, Melville, Douglass, Athol Fugard, Sophocles, Dostoevsky, Solzhenitsyn, Homer, Camus, Hardy.

Note: Expected to be given in 2007–08. Works not in English read in translation.

[Humanities 26. Arts and Minds] - (New Course)

Catalog Number: 9471

Julie A. Buckler and Marjorie Garber

Half course (spring term). Hours to be arranged.

Combined lecture and seminar bridging humanities and creative/performing arts to foster a broadly synthetic mode of inquiry. How can we understand the relationship between intellectual and artistic work across diverse periods and cultures, from ancient Greece to the digital age? What kind of interdisciplinary theory and practice best serves this project? How do specific texts, images, and performance-works assert the interconnection of arts and minds? How might our individual and collaborative work for this course do the same?

Note: Expected to be given in 2007–08.

[Humanities 28 (formerly English 190x). Philosophy and Literature: The Problem of Consent]

Catalog Number: 0561

Elaine Scarry

Half course (spring term). Hours to be arranged.

“Consent” in literature, medicine, political philosophy, and law. Four major topics are freedom of movement (Locke’s *Second Treatise*, Dickens’s *A Tale of Two Cities*, DeQuincey’s *English Mail-Coach*, Harlan’s dissent in *Plessy v. Ferguson*), constitution and contract-making (European city contracts, Shakespeare’s *A Midsummer Night’s Dream*, *Federalist Papers*), the grounding of consent in the body (Plato’s *Crito*, Euripides’ *Hecabe*, Donne’s poetry, Rousseau’s *Social Contract*, contemporary medical case law), and decision making in war (Homer’s *Iliad*, Sophocles’ *Philoctetes*).

Note: Expected to be given in 2007–08.

Cross-listed Courses

[Foreign Cultures 79. Historical and Musical Paths on the Silk Road - \(New Course\)](#)

Catalog Number: 5576

Mark C. Elliott and Richard K. Wolf

Half course (spring term). M., W., (F)., at 11, and two weekly sections to be arranged. EXAM GROUP: 4

Globalization may seem quintessentially modern, but in fact it is nothing new. To demonstrate the deep interconnectedness of the historical cultures of Eurasia, this course takes students on a journey along the Silk Road, from ancient times to the present. We will use an integrated interdisciplinary approach to study the ebb and flow of people, ideas, goods, techniques, and artistic styles along the trade routes of Central, South, and East Asia, with a special focus on



musical traditions. In addition to learning about particular histories and historic links among societies, we also consider the formation of critical theories of relatedness.

Note: Expected to be omitted in 2007–08. No knowledge of Asian languages or music is required. One weekly section is a music section and the other is a discussion section.

General Education Courses: Life Sciences

Life Sciences 1a. An Integrated Introduction to the Life Sciences: Chemistry, Molecular Biology, and Cell Biology

Catalog Number: 2137

Erin K. O'Shea, Daniel E. Kahne, David R. Liu, Robert A. Lue, and Andrew W. Murray
Half course (fall term). Tu., Th., 10–11:30, and three hours of laboratory/discussion weekly.
EXAM GROUP: 12, 13

What are the fundamental features of living systems? What are the molecules that impart these features, and how do their chemical properties explain their biological roles? The answers to these questions form the basis for an understanding of the molecules of life, the cell, diseases, and medicines. In contrast with a traditional presentation of relevant scientific disciplines in separate courses, the above concepts are examined through an integrated presentation of chemistry, molecular biology, biochemistry, and cell biology framed within central problems such as the biology of HIV and cancer.

Note: This course, in combination with Life Sciences 1b, constitutes an integrated introduction to the Life Sciences. When taken for a letter grade, Life Sciences 1a meets the Core area requirement for Science A.

Life Sciences 1b. An Integrated Introduction to the Life Sciences: Genetics, Genomics, and Evolution

Catalog Number: 2159

Daniel L. Hartl, Craig P. Hunter, Maryellen Ruvolo, and John R. Wakeley
Half course (spring term). Tu., Th., 10-11:30, and three hours of laboratory/discussion weekly.
EXAM GROUP: 12, 13

Why is there so much variation among individuals? Why are species so different? Biological variation reflects differences among genes and genomes: how genetic information is transmitted, how it functions, how it mutates from one form to another, how it interacts with the environment, and how it changes through time. These and related issues are examined in depth with special emphasis on complex traits whose expression is determined by a complex interplay between genes and environment.

Note: May not be taken for credit if Biological Sciences 50 has already been taken. This course, in combination with Life Sciences 1a, constitutes an integrated introduction to the Life Sciences. When taken for a letter grade, Life Sciences 1b meets the Core area requirement for Science B.

General Education Courses: Physical Sciences

Physical Sciences 1. Chemical Bonding, Energy, and Reactivity: An Introduction to the Physical Sciences - (New Course)

Catalog Number: 2225

James G. Anderson, Efthimios Kaxiras, Charles M. Lieber, and Hongkun Park



Half course (spring term). M., W., F., at 9, plus one hour per week of discussion and three hours per week of laboratory to be arranged. EXAM GROUP: 2

Physical sciences 1 engages the principles of chemistry and physics within major conceptual themes that underpin critical contributions of the physical sciences to societal objectives. In particular, the concepts central to chemical bonding, kinetic theory of molecular motion, thermochemistry, kinetics, equilibria, entropy and free energy, acids and bases, electrochemistry, and nuclear chemistry will be taught in the context of (1) world energy sources, forecasts and constraints, (2) global climate change, and (3) modern materials and technology.

Note: This course is part of an integrated introduction to the physical science intended for students who plan to pursue a concentration in the physical or life sciences and/or satisfy pre-medical requirements in Chemistry. May not be counted toward a degree in addition to the former Chemistry 7. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: A few operations of calculus are developed and used. Fluency in pre-calculus secondary school mathematics is assumed. Exposure to secondary school physics and chemistry is helpful.

Physical Sciences 2. Mechanics, Elasticity, Fluids, and Diffusion - (New Course)

Catalog Number: 6053

Melissa Franklin, Andrew J. M. Kiruluta (Medical School), and Howard A. Stone

Half course (fall term). Tu., Th., 9:30–11, plus weekly discussion sections and laboratory sessions to be arranged. EXAM GROUP: 11, 12

An introduction to classical mechanics, with special emphasis on the motion of organisms in fluids, from proteins to planets. Topics covered include: kinematics, Newton's laws of motion, oscillations, elasticity, random walks, diffusion, and fluids. Examples and problems set questions will be drawn from the life sciences and medicine.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Physical Sciences 1 (or Chemistry 7), Mathematics 1b, or the equivalent.

Physical Sciences 3. Electromagnetism, Light, Entropy, and Information - (New Course)

Catalog Number: 5262

Masahiro Morii, Aravinthan D. T. Samuel, and George M. Whitesides

Half course (spring term). Tu., Th., 9:30–11, plus weekly discussion sections and five laboratory sessions to be arranged. EXAM GROUP: 11, 12

This course will examine the two universal driving forces that guide nearly all chemical and biological phenomena: electromagnetism and entropy. Detailed case studies will examine the biological applications of electromagnetic radiation and the role of information in biological systems. Topics covered include: electric and magnetic fields and forces, light, waves, entropy, and information processing in electronic circuits and in biology.

Note: This course is part of an integrated introduction to the physical sciences intended for students who plan to pursue a concentration in the life sciences and/or satisfy pre-medical requirements in Physics. May not ordinarily be taken for credit in addition to Physics 1b, 11b, or 15b.

Prerequisite: Physical Sciences 2 (or Physics 1a or 11a), Mathematics 1b, or equivalent.

General Education Courses: Other Electives



***General Education 157. Intelligence, Command, and Control: Conference Course**

Catalog Number: 9630 Enrollment: Limited to 15.

Anthony G. Oettinger

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Examines evolution of the missions, tools, structure, and performance of US intelligence agencies from the *National Security Act (1947)* to the *Intelligence Reform and Terrorism Prevention Act (2004)*. Impact of shifting perceptions of threats to the US on the categorization of activities as intelligence v. law enforcement, civilian v. military, strategic v. tactical, local v. state v. national, or governmental v. private.

Note: Students with political, legal, economic, civilian, military, technical, or other backgrounds welcome. Term paper in lieu of final examination; extensive research expected of graduate students. Cross-registration by Law, Business, or Kennedy School students encouraged.

General Education 186. Introduction to Health Care Policy

Catalog Number: 4045

Richard G. Frank (Medical School)

Half course (fall term). Tu., Th., 1–2:30; and a weekly section to be arranged. EXAM GROUP: 15, 16

Provides overview of US health care delivery system, components, and policy challenges. The health care system is considered from different "stake holder" perspectives: analyses roles of patients, patients, providers, health plans, and payers. Considers objectives, constraints, incentives, knowledge, and conduct. Evaluates problems faced by each actor in the system. What makes health care so hard to reform? Can we count on consumerism to improve quality? Reading includes selections from medical sociology, economics, politics, and ethics.

Note: Offered jointly with the Kennedy School as HCP-100. Meets at the Kennedy School.

***General Education 187. The Quality of Health Care in America**

Catalog Number: 4832 Enrollment: Limited to 35.

Donald M. Berwick (Public Health, Medical School), David Blumenthal (Medical School), Howard H. Hiatt (Medical School, Public Health), and Warner V. Slack (Medical School)

Half course (spring term). Tu., Th., 4:30–6:30. EXAM GROUP: 18

Offers information and experiences regarding the most important issues and challenges in health care quality. Overview of the dimensions of quality of care, including outcomes, overuse, underuse, variation in practice patterns, errors and threats to patient safety, service flaws, and forms of waste. Each session focuses on one specific issue, exploring patterns of performance, data sources, costs, causes, and remedies. Explores desirable properties of health care systems that perform at high levels in many dimensions of quality.

House Seminars

Primarily for Undergraduates

All House Seminars are offered for degree credit. House Seminars are normally graded with letter grades; as with other letter-graded courses students may, with the instructor's permission, take House Seminars pass/fail. All House Seminars require the permission of the instructor (*).



Information concerning enrollment in House Seminars should be sought from the appropriate House Office. House Seminars are frequently not repeated from year to year.

Currier

***Currier 79. Medicine, Law, and Ethics: An Introduction**

Catalog Number: 9614 Enrollment: Limited to 20.

Shahram Khoshbin (Medical School)

Half course (spring term). M., 7–9 pm. EXAM GROUP: 9

Explores medical, legal, and ethical aspects of medical care, with particular attention to medical decision-making at the beginning and end of life, participants in research on human subjects, human reproductive technologies, mental illness, and experimentation on animals. Historical background of present-day medical practices and relevant law to be discussed.

Note: All students are welcome, but this seminar is particularly geared to pre-medical and pre-law students.

Eliot

***Eliot 79. Nutrition and Public Health**

Catalog Number: 1497 Enrollment: Limited to 20.

Clifford Lo

Half course (spring term). Tu., 5:30–7:30 p.m.

Introduction to the critical reading of technical nutrition and medical literature; surveys current issues in public health and public policy relating to nutrition. Critical analysis of different types of medical literature: historical monographs, metabolic laboratory observations, clinical case reports, epidemiological surveys, prospective randomized controlled trials, metaanalyses, and literature reviews. Prepares science and non-science concentrators to examine critically current controversies for themselves; requires active participation and presentation by students.

Note: Clinical rounds with Nutrition Support Services at Children's Hospital are optional.

Leverett

***Leverett 74. Sigmund Freud and C. S. Lewis: Two Contrasting World Views**

Catalog Number: 0773 Enrollment: Limited to 20.

Armand M. Nicholi II (Medical School)

Half course (spring term). M., 2–4.

Focuses on "scientific" Weltanschauung (world view) of Freud as a key to his life and work. Examines the world view Freud attacks through readings from C. S. Lewis and letters between Freud and Oskar Pfister, Swiss psychoanalyst and theologian. Themes: source of morality and ethics, human sexuality, problem of pain and human suffering, definition of happiness and reason that unhappiness prevails, role of different categories of love in human relationships, and "the painful riddle of death."

Mather



***Mather 79. St. Petersburg: The City as Art and Imagination - (New Course)**

Catalog Number: 7562 Enrollment: Limited to 20.

James R. Russell (Department of Near Eastern Languages and Civilizations)

Half course (spring term). W., 7–10 p.m.

Although some planned, invented cities never become realities, St. Petersburg, imagined and willed into existence by Peter the Great, has become a hyper-reality. The cultural St. Petersburg of literature, graphic and plastic arts, and music directs the thinking and lives of its inhabitants. Studies impact of climate, built reality, and actual life--the great and impersonal capital, the absurd and the supernatural, crime, the revolutionary response, purge and blockade, and the city reborn.

The Freshman Seminar Program

Students entering Harvard College with freshman standing may apply for a freshman seminar during the first two terms of residence. Freshman Seminars may not be audited. For a complete description of the Freshman Seminar Program and 2006-07 offerings, please consult the current Freshman Seminar catalog. Catalogs may be obtained from the Freshman Seminar Office, 6 Prescott Street, Cambridge, MA 02138 (telephone: 617-495-1523; email: seminars@fas.harvard.edu). Additional information can be obtained from the Freshman Seminar website: www.fas.harvard.edu/~seminars.

Freshman Seminars 2006-07

***Freshman Seminar 21i. Fourier's Series - (New Course)**

Catalog Number: 4711 Enrollment: Limited to 12.

Donald G. M. Anderson

Half course (spring term). M., 3–5.

Fourier series provided a major impetus for the development of significant portions of classical analysis during the 19th century. Looks at central topics in classical analysis, focusing on the sequence of hard won conceptual advances involved rather than the modern synthesis thereof. Informed by historical evolution of the underlying ideas. The emphasis here is on learning how to approach the questions raised, carefully and productively, not on finding the most elegant or definitive answers thereto.

Note: Open to Freshmen only.

Prerequisite: Introductory differential and integral calculus, and high school physics.

***Freshman Seminar 21j. Human Evolution**

Catalog Number: 0746 Enrollment: Limited to 12.

David Pilbeam

Half course (fall term). Tu., 1:30–3:30.

Explores major transitions in human biological history: divergence of human lineage from that of chimpanzees about seven million years ago; diversification of bipedal apes early in period; emergence of our genus around two million years ago; and final appearance, very late in evolutionary story, of our species. Investigates what happened and why. The "what happened" involves review of evolutionary relationships; the "why" explores more general aspects of



evolutionary biology and the causes of evolutionary change.

Note: Open to Freshmen only.

***Freshman Seminar 21m. Evolution on the Wing: The Butterflies and Moths - (New Course)**

Catalog Number: 6077 Enrollment: Limited to 12.

Michael R. Canfield

Half course (fall term). Th., 1–3.

Explores evolutionary biology using examples from 180,000 species of butterflies and moths. How species demonstrate evolution of plant-pollinator interactions, aposematism, herbivory, parasitism, morphological adaptation, phenotypic plasticity. Why are there so many species of butterflies and moths but so few mammal species? How have interactions with plants affected evolution of this group? Why have some species become pests while others are flagships for conservation? Why are butterflies pretty while most moths are dull?

Note: Open to Freshmen only.

***Freshman Seminar 21o. The Neurophysiology of Visual Perception**

Catalog Number: 7584 Enrollment: Limited to 12.

David H. Hubel (Medical School)

Half course (fall term). Tu., 1:30–3:30.

How do the eyes and brain of higher mammals (including humans) deal with visual information originating in the outside world? Starts with brief survey of mammalian brain neuroanatomy and cell-level neurophysiology (nerve conduction, synapses). Covers neurophysiology of visual path from retina to cortex, with emphasis on transformations in information that occur at each successive level. Studies main components of visual perception: form, color, movement, and depth, and considers the bearing of these on art.

Note: Open to Freshmen only. Meets at the Medical School.

***Freshman Seminar 21q. Nature and Imposters: Mimicry and Crypsis - (New Course)**

Catalog Number: 8762 Enrollment: Limited to 12.

Michael R. Canfield

Half course (spring term). Th., 1–3.

Mimicry is the process by which biological organisms imitate one another and their surroundings, whereas crypsis is a special type of mimicry in which plants and animals use that deception to escape notice. Explores the evolution of mimicry using case studies that reveal the range of visual, behavioral, acoustical, and chemical means by which this deception is accomplished. Why have they evolved in certain species and not others?

Note: Open to Freshmen only.

***Freshman Seminar 21s. Germs**

Catalog Number: 2067 Enrollment: Limited to 12.

Ralph Mitchell

Half course (fall term). W., 1–4.

Germs are responsible for the disruption of whole civilizations and for the maintenance of ecological balance on planet. Explores importance of germs as causative agents of disease in humans, animals, and plants and investigates why epidemics occur and the role of germs in the



control of the ecological balance on Earth -- how microbes affect the cycling of elements essential for climate control and agricultural productivity. Are there dangers to inserting microbial genes into crops?

Note: Open to Freshmen only.

***Freshman Seminar 21u. Calculating Pi**

Catalog Number: 4737 Enrollment: Limited to 12.

Paul G. Bamberg

Half course (fall term). W., 2:30–5:30.

Focuses on mathematical, computational, and historical aspects of calculating pi. Many great mathematicians, including Archimedes, Newton, Gauss, and Euler, worked on the problem. Explores a wide variety of methods for computing pi and their implementation in C++ and Mathematica on a personal computer. Geometry and calculus used to prove the correctness of these methods and assess their accuracy, and then methods used to calculate pi to a large number of decimal places.

Note: Open to Freshmen only. Prerequisite: Calculus

***Freshman Seminar 21v. The Weirdness of Quantum Mechanics - (New Course)**

Catalog Number: 0050 Enrollment: Limited to 12.

Gary J. Feldman

Half course (spring term). Hours to be arranged.

Quantum mechanics is a great triumph of 20th-century physics. There is no question that it provides a correct description of nature at its smallest scales. Yet it is weird in two distinct ways. First, it simply makes no sense; its classical interpretation is self-contradictory. Second, it allows phenomena that are otherwise impossible. These phenomena are the closest thing to magic that we have in science. Nonetheless, these phenomena have been experimentally verified

Note: Open to Freshmen only.

***Freshman Seminar 21x. Galaxies and the Universe**

Catalog Number: 4075 Enrollment: Limited to 12.

John P. Huchra

Half course (spring term). M., 3:15–5:30.

Explores the basic observations that lend support to the current cosmological model, the inflationary hot Big Bang, and we shall discuss the recent observations that indicate that the Universe might even be speeding up. Topics covered include the internal structure and dynamics of galaxies, cosmological models, the determination of the cosmic distance scale, observations of large-scale structure in the universe, quasars, galaxy formation, and the age, size, and fate of the universe.

Note: Open to Freshmen only.

***Freshman Seminar 22e. Molecular Motors: Wizards of the Nanoworld**

Catalog Number: 6565 Enrollment: Limited to 12.

Dudley R. Herschbach

Half course (spring term). Th., 2–4.

Molecular motors function on principles very different from macroscopic machinery; recent research is beginning to elucidate these principles. Molecular motors achieve high efficiency, not



by trying to overcome random noise, but by exploiting it. Focuses on prototypical experiments and basic theoretical ideas, stemming chiefly from thermodynamics and elementary probability theory. Devises games or computer simulations to illustrate key notions.

Note: Open to Freshmen only. Prerequisite: High school science and algebra.

***Freshman Seminar 22j. Seeing by Spectroscopy**

Catalog Number: 4039 Enrollment: Limited to 12.

William Klemperer

Half course (spring term). W., 2–4.

Explores diverse topics and areas of science in which spectroscopy—the observation of energy emitted from a radiant source—plays a leading role. Concentrates on selected topics from chemistry, physics, astronomy, and atmospheric science. Emphasizes spectroscopy as the basis for remote sensing, choosing the grand topic of looking out—astronomical observations and seeing what is in the universe. Participants also will study (Nuclear) Magnetic Resonance Imaging as a model for looking in.

Note: Open to Freshmen only.

***Freshman Seminar 22x. Bioluminescence**

Catalog Number: 9569 Enrollment: Limited to 12.

J. Woodland Hastings

Half course (fall term). M., 5–7:30 pm.

Explores bioluminescence through research, literature, specimens, cultures, and in nature; number of luminous species is relatively small and the mechanisms responsible for the light they emit are very different. Its functions may be classed as defense, offense, and communication. Bioluminescence is also a unique molecular marker for investigating and understanding different basic physiological processes, both cellular and organismic—to answer questions ranging from gene expression and its regulation to enzymology, bioenergetics, physiology, function, ecology, evolution.

Note: Open to Freshmen only. Participants are expected to have a standard high school background in biology, chemistry, and physics.

***Freshman Seminar 22z. Quantitative Methods in Public Policy Decisions**

Catalog Number: 8839 Enrollment: Limited to 12.

Richard Wilson

Half course (fall term). W., 2–5.

Applies scientifically quantitative methods to understanding problems of general public concern; scientists' role in understanding diverse problems of the environment, pollution, and public health. The issues studied comprise general area called "Risk Assessment," being made increasingly relevant by presidential orders and agency actions. Prepares a report to real or imagined decision maker. Intended primarily for students in sciences who want to apply their scientific and numerical abilities to the quantitative understanding of environmental issues.

Note: Open to Freshmen only. Visits to outside facilities may be arranged if they appear to be helpful.

***Freshman Seminar 23g. Darwin's Finches**

Catalog Number: 1902 Enrollment: Limited to 12.



Kathleen Donohue

Half course (spring term). W., 2–5.

The seminar explores evolutionary theory through Darwin's finches. Students study why finches were so important to development of evolutionary theory and how they are still being used to test fundamental hypotheses of evolutionary biology today. The finches provide a unique opportunity to study diverse evolutionary questions and techniques within single, fascinating natural-history framework. Readings will include original material from Darwin, Melville, Lack, and the Grants and supplementary background reading from current sources.

Note: Open to Freshmen only.

***Freshman Seminar 23j. Chess and Mathematics**

Catalog Number: 5445 Enrollment: Limited to 12.

Noam D. Elkies

Half course (fall term). M., 2–5. EXAM GROUP: 7, 8, 9

How many knight's tours of the chessboard are there? What does a "strong move" or "slight advantage" mean in a game that must end with a win, loss, or draw? Explores interface between chess problems and puzzles on the one hand, and mathematical theory and computation on the other. Uses chess puzzles to illustrate mathematical concepts and mathematics to understand issues arising from the game and the problem literature of chess.

Note: Open to Freshmen only. Prerequisite: basic competence in the rules of chess, in high-school mathematics, and in the notions of algorithms and computer programming; and each student should have a more advanced background in at least one of these three spheres.

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***Freshman Seminar 23k. Insights from Narratives of Illness**

Catalog Number: 1904 Enrollment: Limited to 12.

Jerome E. Groopman (Medical School)

Half course (spring term). Th., 1–3.

A physician occupies a unique perch, regularly witnessing life's great mysteries; it is no wonder that narratives of illness have been of interest to both physician and non-physician writers. Examines and interrogates literary and journalistic dimensions of medical writing from Tolstoy to Anne Fadiman as well as newspapers and periodicals. Studies mainstream medical journalists and also so called alternative medical writers such as Andrew Weil. Work with different forms of medical writing.

Note: Open to Freshmen only.

***Freshman Seminar 23z. A Short History of DNA**

Catalog Number: 6423 Enrollment: Limited to 12.

Roberto G. Kolter (Medical School)

Half course (fall term). W., 3–5.

Discoveries surrounding the structure and function of DNA have revolutionized the life sciences in the 20th century. Reads and discusses key writings that present and analyze the developments that led from the first indications that DNA was the genetic material, to the elucidation of the structure of DNA, to the sequencing of complete genomes. Discusses not only the scientific



advances but also the personalities involved and how they influenced the development of this new knowledge.

Note: Open to Freshmen only.

***Freshman Seminar 24e. The Physics and Applied Physics Freshman Research Laboratory**

Catalog Number: 3573 Enrollment: Limited to 12.

Jene A. Golovchenko

Half course (fall term). M., W., 3–5. EXAM GROUP: 8, 9

Exposes students considering careers in science or engineering to environment of modern research laboratory. Research teams construct, perform, analyze, and report on cutting-edge experiments in physical, engineering, and biological sciences. Projects provide insight into the mathematical, mechanical, electronic, chemical, computational, and organizational tools and skills that characterize modern experimental science. Past projects focused on atomic, nuclear, and solid state physics, materials science, dynamical systems and biophysical science. Projects highlight both team and individual effort.

Note: Open to Freshmen only.

***Freshman Seminar 24j. Planets Around Other Stars**

Catalog Number: 2697 Enrollment: Limited to 12.

Myron Lecar

Half course (fall term). Tu., 4:30–6:30.

Our solar system has four rocky planets, two gas giants and two ice giants. One of the rocky planets has life. More than 160 planets, mostly gas giants, have been discovered orbiting other stars. Current thinking suggests that they should be accompanied by rocky planets, too small to be detected by current techniques. This seminar explores the physics of the formation of rocky planets, and reviews current speculations on the origin of life.

Note: Open to Freshmen only. Prerequisites: AP high-school Physics and Calculus.

***Freshman Seminar 24n. Child Health in America**

Catalog Number: 6367 Enrollment: Limited to 12.

Judith Palfrey (Medical School)

Half course (fall term). M., 4–6.

Reviews history of children's health care in the United States; explores impact of geography, environment, nutrition, clean water, as well as scientific discoveries of late 19th and early 20th centuries and emergence of high technology care in middle and late 20th century. Does America provide children the best possible health care available? Compares United States epidemiology with that of other developed and developing nations. Explores how child health delivery is financed.

Note: Open to Freshmen only.

***Freshman Seminar 24t. Exploring Mars**

Catalog Number: 6360 Enrollment: Limited to 12.

Sarah Stewart-Mukhopadhyay

Half course (spring term). W., 3–5.

Investigates geologic history of Mars through study of spacecraft data. Using global topography and imagery data, examines and characterizes ancient oceans, valley networks, impact craters,



young gullies, seasonal snow, and the polar ice caps in order to test hypotheses about the evolution of Mars. Introduces the major concepts of how water modifies a landscape and how the global hydrological cycle has changed over time.

Note: Open to Freshmen only.

Prerequisite: Designed for prospective concentrators in the physical sciences. A solid grounding in high school physics and pre-calculus mathematics is expected.

***Freshman Seminar 24y. Pharmaceuticals and Global Health**

Catalog Number: 8729 Enrollment: Limited to 12.

Michael R. Reich (Public Health)

Half course (fall term). M., 4:30–6:30.

When do good medicines get to poor people in poor countries? Explores many public policy issues related to pharmaceuticals and global health. Analyzes debate over access to medicines in developing countries with an introduction to global health policy. Examines role of medicines in health improvement, the concept of essential drugs, the global market for pharmaceuticals, the processes of drug development, the roles of patent and price policies, international trade agreements, and efforts to address neglected diseases.

Note: Open to Freshmen only.

***Freshman Seminar 24z. The Hidden Universe: Dark Matter, Dark Energy, and Extra Dimensions**

Catalog Number: 9264 Enrollment: Limited to 12.

Christopher Stubbs

Half course (spring term). W., 3–5.

Explores three areas: the nature and distribution of the "dark matter;" recent observation that the expansion rate of the cosmos seems to be increasing; finally, the physics community has recently engaged in serious speculation about the dimensionality of space, and many consider it likely there are "hidden dimensions." Investigates the more exotic (and in some cases, speculative) aspects of the Universe we inhabit.

Note: Open to Freshmen only.

***Freshman Seminar 25g. The Impact of Infectious Diseases on History and Society**

Catalog Number: 8075 Enrollment: Limited to 12.

Donald A. Goldmann (Medical School, Public Health)

Half course (fall term). Tu., 7–9 pm.

Studies specific, selected infectious diseases, including plague, syphilis, smallpox, tuberculosis, cholera, yellow fever, and influenza. Investigates how the epidemiology of these diseases, and society's response to them, inform recent experience with epidemic infection; Assesses the potential impact of future threats. Diseases have led to stigmatization, prejudice, quarantine, and restricted freedom. But diseases have also spurred discovery, elucidation of their properties, development of vaccines and antimicrobial agents, and advancements in public health methods and infrastructure.

Note: Open to Freshmen only.

***Freshman Seminar 25k. You Are What You Eat**

Catalog Number: 3913 Enrollment: Limited to 12.



Karin B. Michels (Public Health, Medical School)

Half course (fall term). M., 4–6.

What does food do to bodies? What does a healthy diet entail? What is known about the role of nutrition in preventing or curing disease? Explores and critically evaluates diet recommendations, current knowledge about the role of diet in maintaining health, and use of nutrition to treat disease. Discusses how studies are conducted to understand the impact of nutrition. Explores different diets and the obesity epidemic, its causes and its implications for the next decade.

Note: Open to Freshmen only.

***Freshman Seminar 25m. What Epidemics Mean: Infectious Diseases in a Social Context**

Catalog Number: 2320 Enrollment: Limited to 12.

Megan Blanche Murray (School of Public Health)

Half course (spring term). Tu., 3:30–5:30.

Focuses on use of term in both fiction and non-fiction. Explores social meanings of epidemic disease: historical settings, responses of societies and governments. Impact on public health response in past and legacy for future. Readings: Camus' *The Plague*, Saramago's *Blindness*, DeFoe's *Journal of a Plague Year*, Rosenberg's *The Cholera Years*, Shilts' *And the Band Played On*, and Reichman's *Timebomb*. Case study on South Africa's response to AIDS.

***Freshman Seminar 25n. Understanding Psychological Development, Disorder and Treatment: Learning through Literature and Research - (New Course)**

Catalog Number: 9589 Enrollment: Limited to 12.

Nancy Rappaport (Medical School)

Half course (fall term). Th., 3–5.

Deepens understanding of human development and how individuals cope with serious emotional or social difficulties (neglect, bipolar disorder, autism, depression). We will use multiple perspectives: medical observations and texts that provide practical knowledge, narrative readings to understand how patients experience the meaning of illness, and portrayals of development-related mental illness in the press. Explores need to understand fundamental needs for tenderness, holding, and making meaning. Examines the resourcefulness required for both fragility and resiliency.

Note: Open to Freshmen only.

***Freshman Seminar 25p. Neurotoxicology: Biological Effects of Environmental Poisons**

Catalog Number: 1838 Enrollment: Limited to 12.

S. Allen Counter (Medical School)

Half course (fall term). Tu., 2–4.

Explores wide range of environmental neurotoxic substances and effects on human and animal populations. Attention to pediatric exposure to neurotoxic agents and associated neurodevelopmental disabilities, as well as neurobehavioral and immunological changes. Examines impact of lead, mercury poisoning, PCBs. Investigates neurophysiology and neurochemistry of a number of other neurotoxins, including nerve gas, tetrodotoxin, saxitoxin, botulinum, and curare. What dangers do we face at home and at work? What can or should be done about these?

Note: Open to Freshmen only.



***Freshman Seminar 25t. AIDS in Africa**

Catalog Number: 0024 Enrollment: Limited to 14.

Myron Essex (Public Health) and Tun-Hou Lee (Public Health)

Half course (spring term). Tu., 1–3.

HIV/AIDS has now infected or killed more than sixty million people, about two-thirds of current infections are in sub-Saharan Africa. African infection rates remain very high and few patients receive life-saving treatment. Explores dimensions of AIDS in Africa ranging from evolution of HIV and pathobiology of AIDS to epidemiology of HIV and options for prevention of infection and treatment of disease. Encourages multidisciplinary approach to problem, country-specific examples to illustrate successful interventions.

Note: Open to Freshmen only.

***Freshman Seminar 25u. The Atomic Nucleus on the World Stage**

Catalog Number: 0027 Enrollment: Limited to 12.

Roy J. Glauber

Half course (fall term). Tu., 2–4.

In 1939 realization that atomic nuclei can undergo fission arrived as a surprise. Traces some of the history leading to discovery of nucleus and determination of nuclear constituents. Studies wartime project that developed both nuclear power sources and weapons; readings supplemented by instructor's own recollections of this project. Investigates formidable problems posed by control of nuclear weapons, development of nuclear reactors, and hope that thermonuclear reactions may provide an abundant source of clean energy.

Note: Open to Freshmen only.

***Freshman Seminar 25v. Avian Influenza: Emerging Infectious Disease - (New Course)**

Catalog Number: 4807 Enrollment: Limited to 14.

Tun-Hou Lee (Public Health) and Myron Essex (Public Health)

Half course (spring term). Tu., 3–5.

Even though the number of people infected by avian flu is still small, the high mortality rate observed has raised the prospect that millions of people may die if avian flu ever becomes a global pandemic. Explores how avian influenza viruses gain their ability to infect different hosts and investigates the strategies needed to deal with an avian flu pandemic. Readings will include texts and journal literature.

Note: Open to Freshmen only.

***Freshman Seminar 25w. Responsibility, the Brain, and Behavior**

Catalog Number: 0049 Enrollment: Limited to 12.

Ronald Schouten (Medical School)

Half course (fall term). Tu., 7–9 pm.

Explores philosophical and legal bases of the concept of individual responsibility as applied in criminal justice system. Examines how forensic mental health professionals assess an individual's mental state at time of an alleged criminal act, the legal standards applied, and the social and political forces that help shape the legal decision. Considers the insanity defense; examines modern concepts of the biological basis of behavioral disorders and their relationship to existing standards of criminal responsibility.

Note: Open to Freshmen only.



***Freshman Seminar 25z. Stress and Disease (Biobehavioral Aspects of Health and Disease)**

Catalog Number: 1691 Enrollment: Limited to 12.

Donald B. Giddon (Medical School), Professor of Developmental Biology

Half course (fall term). W., 2–4.

Psychological, social, and economic factors play important role in cause, prevention, and access to care for illness. Studies interaction of host, agent, or disease vector and the physical and social environment in disease process and biobehavioral bases of health and disease. What psychological, social, and economic factors influence cognitive, affective/physiological, and behavioral responses to disease? What factors are stressful for given individuals? Why is a particular body organ or system the target of stress?

Note: Open to Freshmen only. May meet at the Medical School.

***Freshman Seminar 26j. The Universe's Hidden Dimensions**

Catalog Number: 7529 Enrollment: Limited to 12.

Lisa Randall

Half course (fall term). M., 3–5.

Based loosely on book, *Warped Passages*, considers revolutionary developments in Physics in early 20th century: quantum mechanics and general relativity; investigates key concepts which separated these developments from the physical theories which previously existed. Topics: particle physics, supersymmetry, string theory, and theories of extra dimensions of space. We will consider the motivations underlying these theories, their current status, and how we might hope to test some of the underlying ideas in the near future.

Note: Open to Freshmen only.

***Freshman Seminar 26k. Euclidean Lattices and Sphere Packings - (New Course)**

Catalog Number: 4047 Enrollment: Limited to 12.

Benedict H. Gross

Half course (spring term). M., 2–4.

Explores the problem of placing spheres of the same radius in a regular way in Euclidean space of dimension n . What is the largest amount of space that can be packed inside the spheres? In applications, the cases $n=2, 3$ are the most important. For mathematicians, the really interesting sphere packings occur in dimensions $n= 4, 8, 12, 16,$ and 24 . Tours Euclidean space of higher dimensions, computes the volume of an n -ball of radius 1, and discusses the theory of lattices.

Note: Open to Freshmen only.

Prerequisite: Strong high school background in mathematics (including calculus).

***Freshman Seminar 26m. Human Development: Early Experience and Developmental Programming - (New Course)**

Catalog Number: 7084 Enrollment: Limited to 12.

Charles A. Nelson (Medical School)

Half course (spring term). W., 1–3.

Explores developmental programming and early experience as causative mechanisms in the course of human development, with a particular focus on neurological and psychological health. Introduces general topic and develops a list of possible areas of investigation. Participants then will be responsible for preparing and leading discussion on a particular question or issue, primarily by reading in a given area and perhaps even interviewing relevant experts on campus.



Reviews current knowledge; discusses desirable research.

Note: Open to Freshmen only.

***Freshman Seminar 26n. Electronic Transactions: Better Decisions through Economic and Computational Thinking - (New Course)**

Catalog Number: 6884 Enrollment: Limited to 12.

David C. Parkes

Half course (fall term). Th., 1–4.

A transaction is an agreement. Electronic transactions can promote efficient systems and efficient markets. Studies interplay between economic thinking and computational thinking as it relates to the design of infrastructure to promote better decisions. Economics provides means to reason about the incentives of stakeholders and participants. Computer science provides means to reason about the practicalities of representing, communicating and processing information. Topics include electronic auctions, automated negotiation, information markets and spam e-mail.

Note: Open to Freshmen only.

[*Freshman Seminar 26o. Superconductivity] - (New Course)

Catalog Number: 9301 Enrollment: Limited to 12.

Michael Tinkham

Half course (spring term). Th., 2–4.

Follows historical approach extending from original discovery of superconductivity to the present time, illuminating the growing understanding and applications of the phenomenon. Presents superconductivity as a macroscopic quantum state of "Cooper pairs." Why do only certain metals superconduct and at what temperature? How can the limiting current and magnetic field values be increased? Discusses successive developments, both of scientific concepts and of practical applications such as MRI magnets for medical diagnosis and ultrasensitive quantum detectors.

Note: Expected to be given in 2007–08. Open to Freshmen only.

Prerequisite: Advanced Placement in Mathematics and Physics or the equivalent.

***Freshman Seminar 26p. The Scientific Study of Consciousness - (New Course)**

Catalog Number: 8925 Enrollment: Limited to 12.

Ken Nakayama

Half course (fall term). Tu., 6:30–8:30 p.m.

What is consciousness? What is its function in biological organisms? What are the neural correlates of consciousness? In the discussion of these questions, topics related to the anatomical and physiological substrates of visual perception will be emphasized since it is in these that the sought-after connection between awareness and neural activity has been the most vigorously pursued. Reading will include historical material, textbook chapters and contemporary articles in neuroscience and psychology.

Note: Open to Freshmen only.

***Freshman Seminar 26q. Testosterone and Human Behavior - (New Course)**

Catalog Number: 2615 Enrollment: Limited to 12.

Judith F. Chapman

Half course (fall term). Th., 3–5.



Explores current research in human behavior and testosterone, including the relationships between normal variation in testosterone and variation in traits such as cognition, aggression, personality traits, and sexual behavior within both males and females. Medical uses of testosterone, such as anabolic steroids, hormone replacement therapy, and sex reassignment, investigated. Studies organization effects of testosterone early in human development; subsequent seminar work will parallel student interest. Participants to develop a research interest.
Note: Open to Freshmen only.

[*Freshman Seminar 30i. The Tale of Genji in Word and Image] - (New Course)

Catalog Number: 3920 Enrollment: Limited to 12.

Melissa M. McCormick

Half course (spring term). Th., 2–4.

Provides thorough introduction in translation, undertaking close readings in tandem with analyses of plot, characterization, and modes of narration. The Tale of Genji evokes pageantry and complex interpersonal dynamics of court culture in 10th-century Japan and is part of history's greatest tradition of women's literature. Examines Genji's afterlife in Japanese cultural history, special emphasis on pictorialization in hand scrolls and painting albums. Introduces disciplines of literature, East Asian studies, art history.

Note: Expected to be given in 2007–08. Expected to be omitted in 2008–09. Open to Freshmen only. This course is now being offered as Japanese Literature 124

***Freshman Seminar 30o. What is College and What is It For?**

Catalog Number: 1897 Enrollment: Limited to 12.

Paul J. Barreira (Medical School) and James N. Mancall

Half course (spring term). W., 3–5.

Asks students to think and write critically about American higher education--its history, purpose and ongoing challenges. Considers "the uses of the university" from a variety of perspectives: historical, sociological, economic, and developmental. Addresses questions: What constitutes a liberal arts education? What are its goals? How should students be assessed? What role do extracurricular activities play in a college education? Does bachelor's degree certify a vocational education, a cultural one, or a moral one?

Note: Open to Freshmen only.

***Freshman Seminar 30p. The Literatures of War - (New Course)**

Catalog Number: 9426 Enrollment: Limited to 12.

David McCann

Half course (spring term). W., 3–5.

Studies essays, poems, and prose narrative works from World War I, Spanish Civil War, World War II, and Korean War. Horror of modern, mechanized warfare was accompanied by appearance of ironic voice as defining feature of 20th-century literature. Studies literature connected to Spanish Civil War, World War II, and Korean War. How have more recent wars been described in literature or been reported? What insights does the study of the literatures of war provide?

Note: Open to Freshmen only.



***Freshman Seminar 30w. New York Intellectuals: An Episode in the History of American Thought - (New Course)**

Catalog Number: 8072 Enrollment: Limited to 12.

John Summers

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Examines social and political thought of four New York Intellectuals: C. Wright Mills, Daniel Bell, Lionel Trilling, and Richard Hofstadter—two sociologists, a literary critic, and a historian, respectively. They gave differing answers to an old set of questions: What is the relationship between politics and ideas? Does democracy promote cultural excellence, or does it inhibit the full flourishing of the mind? What do intellectuals owe society and state? What is a public intellectual?

***Freshman Seminar 30z. From Russia with Love**

Catalog Number: 8535 Enrollment: Limited to 12.

Cole M. Crittenden

Half course (fall term). W., 2–4.

Discusses how love stories fit into a Russian prose tradition known for long, serious, ideological novels. Explores literature from the late 18th century, when secular prose became a major cultural force, to the early 20th century, when political changes dramatically altered the development of Russian literature. Focuses on short stories and novellas by major Russian writers who take up the theme of romantic love. These writers include Pushkin, Gogol, Dostoevsky, Turgenev, Tolstoy, Chekhov, and Bunin.

Note: Open to Freshmen only.

***Freshman Seminar 31e. Chronicles of the Tyrants: The Dictator and the Novel - (New Course)**

Catalog Number: 7543 Enrollment: Limited to 12.

Jonathan H. Bolton

Half course (spring term). Tu., 2–4.

Representations of absolute power and those who wield it, from Greek and Roman philosophy through 20th century dictator novels of Latin America and Central Europe. What can literature teach us about tyranny and the loathing and loyalty it inspires? How do narrative treatments of power undermine it—or reinforce it—sometimes against the author's will? Readings from Orwell, Nabokov, Garcia Marquez, Vargas Llosa, Julian Barnes, and theories of narrative and power (Plato, Foucault, Bakhtin).

Note: Open to Freshmen only.

***Freshman Seminar 31g. The Pleasures of Japanese Poetry: Reading, Writing, and Translation - (New Course)**

Catalog Number: 1645 Enrollment: Limited to 12.

Edwin A. Cranston

Half course (fall term). W., 2–5.

Reads classical waka, its modern descendant the tanka, examples of linked verse (renga) and modern poems in free and prose-poem forms. (And haiku too!) Focuses on themes such as desire, renunciation, time, memory, war, death, sorrow, and receptivity. Students keep a diary of their encounters with the new poetry, practice the art of sequencing, and make their own



translations based on literal renderings and explanations of Japanese originals. All readings will be in English.

Note: Open to Freshmen only.

***Freshman Seminar 31j. Skepticism and Knowledge - (New Course)**

Catalog Number: 9760 Enrollment: Limited to 12.

Catherine Z. Elgin (School of Education)

Half course (fall term). Tu., 1–3.

What can we know; how can we know it? Can I know that I am not a brain in a vat being manipulated into thinking that I have a body? Can I know that the Louisiana Purchase occurred in 1803, that $E=MC^2$, that Hamlet is better than Harry Potter, or that the sun will rise tomorrow? This seminar will study skeptical arguments and responses to skepticism to explore the nature and scope of knowledge.

Note: Open to Freshmen only.

***Freshman Seminar 31k. The Study of a Neighborhood - (New Course)**

Catalog Number: 3559 Enrollment: Limited to 12.

Alfred F. Guzzetti

Half course (fall term). Tu., Th., 1–4.

Documents life and history of small neighborhood using video, stillphotography, audio recording. Members of seminar will photograph people, houses, and public spaces, record conversations with residents about their life histories, and make short video documentaries on institutions such as schools, public facilities, and churches. The result will take form either of DVD or exhibition -- perhaps in the neighborhood itself. Studies films and books as models for the project and sources of critical reflection.

Note: Open to Freshmen only. The seminar will meet twice a week.

Prerequisite: Prior experience with photography, audio, and video desirable but not essential.

***Freshman Seminar 31n. Beauty and Christianity - (New Course)**

Catalog Number: 4682 Enrollment: Limited to 12.

Robert J. Kiely

Half course (fall term). W., 2–4.

Jesus has inspired great works of art, literature, and music, but Christians have not always agreed on the function of beauty. This seminar will consider Christian aesthetics, art (Fra Angelico and Tintoretto), and music (Bach and spirituals), but the focus will be on literary works of St. Francis, Dante, Herbert, Hopkins, Melville, Eliot, and O'Connor. The abiding question will be: In what ways does aesthetic form-- beauty-- enhance, qualify, complicate, or obscure the gospel?

Note: Open to Freshmen only.

***Freshman Seminar 31o. Negotiating Identity in Postcolonial Francophone Africa and the Caribbean - (New Course)**

Catalog Number: 6293 Enrollment: Limited to 12.

Mylène Priam

Half course (spring term). Tu., 1–3.

Explores the question of postcolonial identity through the trans-regional study of literature, poetry, cultural works, and critical theory from Africa and the Caribbean. Provides an overview



of the major theoretical definitions of the postcolonial in an attempt to find formulations of postcolonial identity not only in terms of aesthetic, but also historical, geographical, linguistic, and institutional discourses. Reading will include "Diaspora.Texts" in French and English.

Note: Open to Freshmen only.

***Freshman Seminar 31p. How to Look at Paintings - (New Course)**

Catalog Number: 5329 Enrollment: Limited to 12.

Amelie Rorty (Yale University)

Half course (spring term). W., 2–4.

How are ideas visually expressed? How do formal, technical, and symbolic aspects of paintings indicate interpretations of their content? How do they affect the responses of viewers? Using case studies from Giotto to Picasso, with historical and contemporary critical commentaries, we analyze the way painters enter into visual dialogues with their predecessors and contemporaries, forming and transforming the craft of painting as a mode of conveying meaning.

Note: Open to Freshmen only.

***Freshman Seminar 31q. Nation, Empire, and Literature - (New Course)**

Catalog Number: 2470 Enrollment: Limited to 12.

Edyta M. Bojanowska

Half course (spring term). W., 2–4.

Examines the connection between nationalism and imperialism in 19th century British, Russian, and American fiction. Authors include Austen, Kipling, Dostoevsky, Tolstoy, Twain, and Cooper. How do these authors' works construct identities and stereotypes, "imagined communities," and fictional geographies? How do they investigate the moral, political, and narrative implications of imperial encounters? How do they elaborate and question the ideologies of nationalism and imperialism?

Note: Open to Freshmen only.

***Freshman Seminar 32j. Who Is a Jew? Jewish Identity and Identifiability in the Modern World**

Catalog Number: 6991 Enrollment: Limited to 12.

Shaye J.D. Cohen

Half course (fall term). Th., 1–3.

Studies diverse modes of Jewishness, their historical origins and their contemporary manifestations, in an attempt to answer above question. Focus on Jews and Jewishness in United States; considers relevant issues in Israel. Investigates ethnic Jews, cultural Jews, offspring of intermarriage, apostates, converts, Black Jews of Ethiopia, and other categories that challenge standard definitions of Jewishness. Notes problem of Jewish identity in the American context closely parallels the identity problems of other hyphenated American groups.

Note: Open to Freshmen only.

***Freshman Seminar 32k. The Poetry of Walt Whitman**

Catalog Number: 2864 Enrollment: Limited to 12.

Helen Vendler

Half course (fall term). M., 3–5.

Interprets Whitman as contributor to a self-consciously nationalist literary program, as an



inheritor of English verse, as a creator of a single, lifelong book, and as a poet of homosexual affection. Explores what one learns by reading chronologically much of the work of a single poet. Investigates Whitman's Americanization of lyric genres, the speaking self in the poems, Whitmanian sequences, catalogues, forms of inception and closure, prosody, and architectonic structures.

Note: Open to Freshmen only.

***Freshman Seminar 32m. Fantastic Families: Kinship and Science Fiction - (New Course)**

Catalog Number: 5788 Enrollment: Limited to 12.

Jacob M. Emery

Half course (spring term). M., 2–5.

Explores range of futuristic kinship systems from European and American fantastic literature. Poses basic questions about what families are and why literature is concerned with them through involved reading of texts that interrogate the definition of family and propose transformed versions of it. Throughout attention to connections between social forms, forms of the family, and literary form.

Note: Open to Freshmen only.

***Freshman Seminar 32o. The Folklore of Ireland**

Catalog Number: 5673 Enrollment: Limited to 12.

Barbara L. Hillers

Half course (spring term). W., 2–4:30.

Explores Irish oral literature and its place in the community. In spite of the material hardship of their existence, the men and women farming the west of Ireland could tell wondertales of great beauty and magic, sing scores of songs, and had a proverb, anecdote, or repartee for every occasion. Introduces students to the most important genres of Irish folklore, and to the critical tools and interpretive methods available to discuss and understand oral literature.

Note: Open to Freshmen only.

***Freshman Seminar 32q. Imagining the Classical and Modern Mediterranean - (New Course)**

Catalog Number: 6552 Enrollment: Limited to 12.

Panagiotis Roilos

Half course (spring term). Hours to be arranged.

Explores construction of the imaginary of Mediterranean culture and landscape in indigenous as well as in Western European and American cultural discourses. Literary perceptions and fictionalizations of the Mediterranean, especially Greece and Rome, as the idealized origin of Western culture are investigated. Emphasis on the Mediterranean as aesthetic or exotic topos of the classical past and on its contribution to the formation of aspects of European culture, especially from late 18th century to modernism.

Note: Open to Freshmen only.

***Freshman Seminar 32v. The Art of the Storytelling - (New Course)**

Catalog Number: 7011 Enrollment: Limited to 12.

Deborah D. Foster

Half course (spring term). Hours to be arranged.



Men and women tell stories to express the values found in experiences of everyday life. Based on storytelling traditions, each narrator shapes the story to reflect his or her own intentions, making it personally expressive as well as publicly meaningful to a particular audience. Examines the nature of storytelling, its enduring appeal, and its ability to adapt to multiple new technologies (print, film, internet). Participants will engage in the storytelling process itself.
Note: Open to Freshmen only.

Freshman Seminar 32y. Goethe's *Faust

Catalog Number: 0139 Enrollment: Limited to 12.

Karl S. Guthke

Half course (fall term). M., 2-4.

Raises "universal issues" and problems of "perennial philosophy;" introduces question "What does it mean to be human?" Close reading and critical discussion of *Faust* in context of cultural and intellectual history, with attention to major interpretive controversies over such issues as the power of evil, the significance of human relationships, the pursuit of happiness, the cult of self-realization versus social altruism, the role of the transcendental, and ethics versus "beyond good and evil."

Note: Open to Freshmen only. All reading will be in English.

***Freshman Seminar 33k. Representing Whiteness: Ethnic American Writers Return the Gaze - (New Course)**

Catalog Number: 5834 Enrollment: Limited to 12.

Kimberly C. Davis

Half course (spring term). Th., 1-4; M., 7-9:30 p.m.; M., 7-9:30 p.m.; M., 7-9:30 p.m.; M., 7-9:30 p.m.; M., 7-9:30 p.m.

Makes visible a racial category masked by a rhetoric of invisibility and "colorlessness" and sheds light on particularity of a racialized culture falsely perceived as universal. The social construction of whiteness is the focus of investigation; examined through literature and film written and produced by African-Americans, Native Americans, and Asian-Americans who depict whites as the "other" and the "stranger." To provide context, studies the formation of white identity in the United States.

Note: Open to Freshmen only.

Freshman Seminar 33x. Complexity in Works of Art: *Ulysses* and *Hamlet

Catalog Number: 6673 Enrollment: Limited to 12.

Philip J. Fisher

Half course (fall term). M., 2-4.

Do inherited forms found in literature permit only certain variations within experience to reach lucidity? Investigates literature's limits in giving account of mind, everyday experience, thought, memory, full character, and situation in time. Studies Shakespeare's *Hamlet* and Joyce's *Ulysses*, a modern work of unusual complexity and resistance to both interpretation and to simple comfortable reading. Reading these two works suggests potential meanings for terms like complexity, resistance, openness of meaning, and experimentation within form.

Note: Open to Freshmen only.



***Freshman Seminar 34q. Languages of the Body: Physiognomy, Phrenology, and Hysteria in Western History and Literature - (New Course)**

Catalog Number: 5429 Enrollment: Limited to 12.

Sharrona Pearl

Half course (spring term). Hours to be arranged.

Explores ways in which the invisible "internal" of personality and behavior has been seen to mark the body in historical, literary, and visual representations. Starts with the doctrine of maternal impressions; moves to doctrines of bodily marking in physiognomy, phrenology, and eugenics. Discusses relationship between the biologically-informed approach and the biographically-based theories of Sigmund Freud. Ends with a gendered analysis of hysteria and shell-shock in the First World War.

Note: Open to Freshmen only.

***Freshman Seminar 34x. Language and Prehistory**

Catalog Number: 9905 Enrollment: Limited to 12.

Jay Jasanoff

Half course (fall term). M., 2–5.

Explores use and misuse of linguistic evidence. The 19th-century identification of the Indo-European language family misled some intellectuals to posit the now rejected idea of a genetically and culturally superior Aryan "race." Linguistic evidence still plays an important role in prehistoric studies. What does the relationship between two languages reveal about their speakers? How can genuine cases of linguistic borrowing or "influence" be distinguished from resemblances that come about through pure chance?

Note: Open to Freshmen only.

[*Freshman Seminar 35k. Fiction and the Courtroom] - (New Course)

Catalog Number: 7006 Enrollment: Limited to 12.

Laura K. Johnson

Half course (spring term). W., 2–4.

Draws on a broad range of materials to situate complex exchanges between American literature and American law within their historical framework. Investigates four related areas of study: the trial as a literary device, the relationship between fictional trials and their social contexts, the use of fiction as evidence, and the role of narrative in the courtroom. Adultery and murder are recurring crimes in the body of literature studied, and they will provide our thematic foci.

Note: Expected to be given in 2008–09. Open to Freshmen only.

***Freshman Seminar 35s. Roman Art and Society**

Catalog Number: 5198 Enrollment: Limited to 12.

Rabun Taylor

Half course (spring term). F., 1–4.

To the aristocratic connoisseur just as to the slave serving him dinner, to the gladiator and to his patroness, Roman visual representation evoked a complex and vibrant society. This course addresses a diverse array of artworks on a number of major themes: politics and ideology, portraits and personal identity, death and commemoration, roles and status of women, sexuality and eroticism, life in private sphere, urban spectacle, religion, and public bathing.

Note: Open to Freshmen only.



***Freshman Seminar 35w. Language, Sex, and Culture**

Catalog Number: 2788 Enrollment: Limited to 12.

Sue Brown

Half course (spring term). W., 2–5.

Cross-cultural perspective, compares language use in US with other parts of the world with focus on differences in pronunciation, vocabulary choice, and/or communicative style that serve as social markers of sexual identity and differentiation within these cultures. Do males and females use language differently? How do language differences, where they exist, contribute to the social construction of gender difference? What factors besides gender lead to language differentiation, and how do they interact with gender?

Note: Open to Freshmen only.

***Freshman Seminar 36i. First Encounters - (New Course)**

Catalog Number: 3878 Enrollment: Limited to 12.

Stephen J. Greenblatt

Half course (spring term). Hours to be arranged.

Studies encounters with radically new experiences and peoples. What rhetorical and conceptual means were developed to process, verify, and convey disturbingly unfamiliar and challenging perceptions? What happens when sharply different assumptions about the natural and social world come into conflict? What are the most successful--and the most disastrous--techniques for encountering otherness and negotiating the new? Includes attention to paintings, photographs, novels, and films, as well as the analysis of histories and eyewitness reports.

Note: Open to Freshmen only.

***Freshman Seminar 36j. The Rural Other: Peasants in the Literary Imagination - (New Course)**

Catalog Number: 6749 Enrollment: Limited to 12.

George G. Grabowicz

Half course (spring term). M., 1–3:30.

Examines depiction of the peasant, of rural life, and of "the folk" in works of major 19th- and 20th-century writers. What is the nature of peasant society and peasant life? Why has it attracted and repelled the modern sensibility? Why has the contrast of urban and rural life become, in Eastern and Western European literatures, a touchstone for defining fundamental moral, social, and political issues? Reading includes George Sand, Thomas Hardy, Turgenev, Verga, and Zola.

Note: Open to Freshmen only.

***Freshman Seminar 36l. A Cultural History of the Banana - (New Course)**

Catalog Number: 1347 Enrollment: Limited to 12.

Amy L. Spellacy

Half course (fall term). W., 3–5.

Considers how the banana industry has historically functioned as a site of U.S.-Latin American interaction that exposes tensions between the United States and its southern neighbors. Examines how the banana came to be a staple in America, investigates political and economic issues, analyzes the ways that bananas have shaped cultural texts in the United States and Latin America, focusing primarily on the twentieth century, using texts, films, and advertising.

Note: Open to Freshmen only.



***Freshman Seminar 36m. Noisy Art - (New Course)**

Catalog Number: 2611 Enrollment: Limited to 12.

Damon Krukowski (Visual and Environmental Studies)

Half course (spring term). M., 3–5.

This seminar examines the history and poetics of the noisy artwork, and -- as a collective studio project -- explores making art from noise. Beginning with John Cage's influential composition class taught in the late 1950s, we consider the poetics of sound introduced by Cage to the generation of artists who would develop Fluxus, Pop, and Conceptual art. The final project is a group performance in the Carpenter Center. No formal musical background required.

***Freshman Seminar 36q. Art Worlds: Methods in Global Visual Study - (New Course)**

Catalog Number: 4749 Enrollment: Limited to 12.

Suzanne P. Blier

Half course (fall term). Hours to be arranged.

Investigates considerations that result from different approaches to art within art history and ethnography. How does each discipline address local perspectives on art? Approaches: historical, comparative museum study, market factors, differential journal analysis, web based study, global-local critique, mapping strategies. Provides basic understanding of global art forms under consideration, different disciplinary aspects of study, and of core questions important to understanding of cultures, societies, and their critical forms of visual engagement.

Note: Open to Freshmen only.

***Freshman Seminar 36v. Boston: Stop, Look, and Listen - (New Course)**

Catalog Number: 9921 Enrollment: Limited to 12.

Kay Kaufman Shelemay and Carol J. Oja

Half course (spring term). Hours to be arranged.

This seminar explores a cross-section of dynamic soundscapes in the diverse and distinctive communities of greater Boston, ranging from ethnic communities across the city to the worlds of classical and folk music. Designed to be hands-on and experiential, the seminar guides students in fusing archival and ethnographic research techniques to study both living traditions and historic musical institutions.

Note: Open to Freshmen only.

[*Freshman Seminar 36w. Tribal Memories: Myth, Epic, and History]

Catalog Number: 7842 Enrollment: Limited to 12.

P. Oktor Skjaervo

Half course (spring term). Th., 3–5.

Investigates the oral traditions of the ancient Iranians in perspective of those of the Indians, Greeks, and Norsemen. Studies each culture's beliefs concerning the history of the world from its creation. Relationship among history, myth, and epic in ancient oral traditions. How can myths and traditions provide historical information? Compares and contrasts the historical figure of Zarathustra in the "historical" traditions of the Middle East with Zarathustra as a Western scholarly myth.

Note: Expected to be given in 2007–08. Open to Freshmen only.



***Freshman Seminar 36z. Utopia and Anti-Utopia**

Catalog Number: 6375 Enrollment: Limited to 12.

Francis Abiola Irele

Half course (fall term). W., 4–6.

Explores utopian ideal as embodied in literary, intellectual, and ideological texts. Highlights ambiguities that promise human fulfillment but have led to misery. Focuses on "the dilemma of modernity." Readings range from Hesiod's "Works and Days" in *Theogony*, *Works and Days*, Plato's *Republic* to Whitman's *Song of Myself* and Marx and Engels' *The Communist Manifesto* to Orwell's *Homage to Catalonia*, Eugene Zamiatin's *We*, Kafka's *The Trial*, Margaret Atwood's *The Handmaid's Tale*, and Toni Morrison's *Paradise*.

Note: Open to Freshmen only.

***Freshman Seminar 37t. Poems, Films, States of Mind**

Catalog Number: 3252 Enrollment: Limited to 12.

Stephanie Sandler

Half course (fall term). Tu., 1:30–4. EXAM GROUP: 15, 16, 17

Can stories render full range of emotions? Are there feelings that stories cannot reach? Explores the tension between emotions and storytelling. Concentrates on emotions of fear, loss, and rapture, tracing them through two art forms, cinema and lyric poetry, that have potential to resist lure of narrative. Reads case histories and essays by psychoanalysts, and explores in them the pleasures and dangers of telling a story.

Note: Open to Freshmen only.

***Freshman Seminar 37z. The Moral Virtues: Socrates and His Critics**

Catalog Number: 1725 Enrollment: Limited to 12.

Amelie Rorty (Yale University)

Half course (fall term). Tu., 2–4.

Plato's early "Socratic" dialogues on: piety, friendship, self-knowledge, sex, art and censorship, whether virtue can be taught and whether might makes right. Students engage in dialogues between "Socrates" and authors whose views contrast with those of Socrates (e.g. Kierkegaard, Freud, Durkheim, Kant, Descartes, Oscar Wilde). Visiting Fogg Museum, they will discuss how Plato's Socrates would react to selected artworks. The seminar will re-enact the trial of Socrates. A taste for irony is recommended.

Note: Open to Freshmen only.

***Freshman Seminar 38g. Back to Life: Lost Languages and Decipherment**

Catalog Number: 2671 Enrollment: Limited to 12.

John Huehnergard

Half course (fall term). Th., 3–5.

Hieroglyphs. Cuneiform. The Phoenician alphabet. Examines several decipherments: how scripts have been deciphered, languages decoded, ancient texts and literatures read once again, and cultures brought back to life. Why must so many scripts be deciphered-why have so many scripts and languages died out so completely that they have been forgotten? Why have some scripts such as Etruscan, the Indus Valley script, and the Rongorongo script of Easter Island not yet been deciphered?

Note: Open to Freshmen only.



***Freshman Seminar 38j. Medicine and Literature**

Catalog Number: 0116 Enrollment: Limited to 12.

Elaine Scarry

Half course (fall term). Tu., 2–4.

Based on literary and medical texts. Addresses: Can language express physical pain? Can the body—in its fragile or injured form—enter literature? Are all our senses (hearing, touch, taste, smell) as vividly present in language as vision is? How does the empathic representation of illness or pain in literature differ from the physician's professional attempt to cure or alleviate suffering or (when that is impossible) to solace the suffering patient?

Note: Open to Freshmen only.

***Freshman Seminar 38m. Meeting the Byzantines - (New Course)**

Catalog Number: 0852 Enrollment: Limited to 12.

John Duffy

Half course (spring term). Tu., 2–4.

Byzantium remains for many an alien place, in some respects an imaginary world from a very distant past. The seminar focuses on bringing participants closer to the people of Byzantium, through representative groups and individuals, from emperors to monks, from soldiers to scholars. Who were the architects of St. Sophia? Who fought in the Byzantine armies? How did pagan Greek literature survive in a conservative Christian culture? Who took care of the recording of history?

Note: Open to Freshmen only.

***Freshman Seminar 38p. The Idea of a University**

Catalog Number: 1291 Enrollment: Limited to 12.

Jay M. Harris

Half course (fall term). M., 2–4.

Examines emergence of variegated ideas of the university and the implementation of these ideas in specific social contexts. Studies first European universities in the 12th century, their structure, and what and whom they included and they excluded. Examines rise of modern research university. Explores debates surrounding universities including the relationship between knowledge and moral improvement. Focuses on relationship of ideas of the university and the social and political structures that both support and oppose them.

Note: Open to Freshmen only.

***Freshman Seminar 38t. Beethoven's String Quartets**

Catalog Number: 1651 Enrollment: Limited to 12.

Anne C. Shreffler

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Composers often reserve their most ambitious and complex thoughts for string quartets; the ensemble can create a homogeneous sound but also has an enormous potential for sonic variety. Beethoven's sixteen quartets span almost his entire creative output and contain the full range of his musical expression. Works from scores, selected recordings, and live performances. Primary focus on participants' interpretations of the works; also reads musical theorists, critics and historians.



Note: Open to Freshmen only.

Prerequisite: Participants should be able to read music (at least treble and bass clef).

***Freshman Seminar 39k. Literature Humanities: The Foundation Texts of the West**

Catalog Number: 0796 Enrollment: Limited to 12.

James R. Russell

Half course (fall term). Tu., Th., 3–5.

Considers the epics, plays, dialogues, and treatises of Homer, Aeschylus, Sophocles, Euripides, Aristophanes, Plato, Aristotle, Thucydides, Virgil, and Apuleius, as well as the Bhagavad Gita, the Gathas of Zarathustra, and the Bible. An intensive encounter with the mainstay of our civilization and the primary great reflections on all aspects of the human condition.

Note: Open to Freshmen only.

***Freshman Seminar 39n. Literature Humanities: Medieval and Modern Classics**

Catalog Number: 1329 Enrollment: Limited to 12.

James R. Russell

Half course (spring term). Tu., Th., 3–5.

Explores autobiographies, novels, essays, and plays by St. Augustine, Al Ghazali, Dante, Montaigne, Shakespeare, Goethe, Jane Austen, Herman Melville, Dostoyevsky, T. S. Eliot, Virginia Woolf, and Mikhail Bulgakov-essential meditations on the human condition in the developed literature of the West. The reading list is demanding.

Note: Open to Freshmen only.

***Freshman Seminar 39p. The Practice of Autobiography**

Catalog Number: 3466 Enrollment: Limited to 12.

Lawrence Buell

Half course (fall term). W., 2–4:30.

Investigates nature, variety, and significance of autobiography as major narrative genre. Explores critical issues such as emphasis on specific turning points in narration of life. Asks questions about reliability, psychology, and art of narrative. Readings include The Confessions of St. Augustine, The Autobiography of Benjamin Franklin, The Confessions of Jean-Jacques Rousseau, Thoreau's Walden, The Narrative of the Life of Frederick Douglass, Mary Antin's Promised Land, The Education of Henry Adams, one autobiographical fiction.

Note: Open to Freshmen only.

***Freshman Seminar 39q. Time and Literature 1800-1930 - (New Course)**

Catalog Number: 9794 Enrollment: Limited to 12.

Anna A. Henchman

Half course (fall term). W., 2–5.

Between 1800 and 1930, momentous changes in science and technology forced the re-conception of time in the popular imagination. These developments had contradictory implications for understanding time. What models of time do Victorian and Modernist writers draw on? What happens to the story of a human life in the context of Darwinian or Einsteinian time? Why does Woolf stretch out an ordinary moment for pages and shrink years into the space of a parenthesis?

Note: Open to Freshmen only.



***Freshman Seminar 39v. How to Read Chinese Poetry - (New Course)**

Catalog Number: 9330 Enrollment: Limited to 12.

Xiaofei Tian

Half course (spring term). Th., 2–4.

What is the enduring charm of classical Chinese poems? How do we appreciate and understand them? Introduces classical Chinese poetry, its history, and some of its famous works; explores what it means to write poems in traditional forms today and cultural politics involved. Discusses ways of reading a couplet. Ends with examination of "modern classical poetry"--poetry written in traditional forms in modern times, politics of genre, and cultural meanings of Internet literary/poetic communities.

Note: Open to Freshmen only. No knowledge of Chinese or background in Chinese literature is required.

***Freshman Seminar 39w. The Myth of Love and Self-Discovery**

Catalog Number: 4028 Enrollment: Limited to 12.

Charles W. M. Henebry

Half course (fall term). W., 1–4.

Investigates function of love in construction of identity in Western culture. Love appears as puzzling cause of acts both vicious and noble: readings selected from expanse of Western civilization, from Plato's Symposium and the verse of Dante and Petrarch to film classics like Casablanca and The Graduate. Today love continues to resonate as a spiritual ideal for which heroes are willing to sacrifice everything: money, prestige, family, life. Thus love is a source of havoc!

Note: Open to Freshmen only.

***Freshman Seminar 40g. 9/11–The Event and the 9/11 Commission Report**

Catalog Number: 4343 Enrollment: Limited to 12.

Ernest R. May

Half course (fall term). W., 4–6.

Explores attacks on 9/11/2001, through eyes of 10 commissioners, 5 Republicans and 5 Democrats, who accepted late in 2002 the assignment of investigating all "facts and circumstances relating to terrorist attacks." Reviews evidence and testimony asking how commissioners reached their conclusions. Topics: origin and character of Islamist extremism; character, cultures, and operations of U.S. law enforcement and intelligence agencies; formulation of national security policy in White House, oversight by Congress and news media.

Note: Open to Freshmen only.

***Freshman Seminar 40l. Theories of Globalization and Development - (New Course)**

Catalog Number: 3705 Enrollment: Limited to 12.

Thomas Ponniah

Half course (spring term). M., 3–6.

This course gives students the opportunity to discuss theories from economics, political science, sociology, anthropology, geography, as well as the popular literature emerging from civil society and social movements. We will look at the theoretical sources that underpin various debates, such as free trade versus fair trade, technological revolution versus ecological risk, modernity



versus post-modernity, and anti-globalization versus global justice. Ultimately the course will help students develop their own interdisciplinary understanding of globalization.

***Freshman Seminar 40n. Art, Knowledge, and Faith in Boston's Copley Square, 1870-1900 - (New Course)**

Catalog Number: 7938 Enrollment: Limited to 12.

Christine Smith (Design School)

Half course (fall term). M., 1-4.

Copley Square, Boston's most important public space, took shape during the last quarter of 19th century. Explores what choice of architectural style in the buildings on Copley Square reveals about institutional and civic identity. Situates the Trinity Church and Boston Public Library projects in their particular historical circumstances, and then considers them within broader historical, intellectual, and artistic contexts. Consults maps, museum collections, contemporaneous accounts, and recent historical studies; also visits Copley Square.

Note: Open to Freshmen only

***Freshman Seminar 40p. Law of the Internet**

Catalog Number: 4509 Enrollment: Limited to 12.

John G. Palfrey (Law School)

Half course (fall term). M., 3-5.

Considers intriguing issues to which advent of the internet has given and continues to give rise. Focuses on a cluster of topics about which any computer user likely knows a good deal already: spam, spyware, peer-to-peer file sharing, personal privacy, and e-commerce. Ventures into a few issues-like blogging, RSS (Really Simple Syndication), social software, and internet filtering-that may be less familiar. Explores law of intellectual property related to the Internet.

Note: Open to Freshmen only.

Prerequisite: A willingness to experiment with new information technologies in a learning environment.

***Freshman Seminar 40x. Disco Decade: The 1970s in America**

Catalog Number: 2008 Enrollment: Limited to 12.

Lisa Szefel

Half course (spring term). Tu., 3-5.

Examines nuts-and-bolts of 1970s, fundamental changes wrought in modern society by such events as Roe v. Wade, presidencies of Nixon, Ford, and Carter, rise of the South in politics and economics, defeat in Vietnam, and malaise at home. Investigates films, television programs, and music to understand how transformations of the decade influenced culture. These, along with political speeches, magazine articles, short stories, and memoirs will be used to understand this watershed decade in American history.

Note: Open to Freshmen only.

***Freshman Seminar 40y. Histories of the US-Mexico Border**

Catalog Number: 0047 Enrollment: Limited to 12.

Rachel St. John

Half course (fall term). W., 3-5.

Explores how questions about national sovereignty, power, and identity have been balanced with



bi-national exchange and movement along the U.S.-Mexico border. Uses history of the border as a lens to explore how people use and make sense of the past. Ranging from histories and memoirs to songs and films, course material will introduce a variety of perspectives on the border-past and present, local and national, Mexican and American.

Note: Open to Freshmen only.

***Freshman Seminar 41e. The American Creed: Exceptionalism and Nationalism in Historical Perspective**

Catalog Number: 0058 Enrollment: Limited to 12.

Amy M. Kittelstrom

Half course (fall term). Th., 2–4:30.

Evaluates historical development of the American creed. The basic articles of creed are belief in individual rights, faith in progress, and dedication to the spread of democracy. Explores how the American creed has challenged, straddled, or reified four major concerns for American thinkers: 1. religious/secular divide; 2. problems of race and ethnicity and challenges of multiculturalism to ideas of unified American character; 3. liberal/conservative opposition; 4. role of United States in the World.

Note: Open to Freshmen only.

***Freshman Seminar 41g. The Faces of Human Rights in Latin America: Anthropological Perspectives**

Catalog Number: 0088 Enrollment: Limited to 12.

Theodore Macdonald

Half course (fall term). W., 3–5.

Analyses human rights and the popular movements linked to them in Latin America. Examines how human rights language and legislation have influenced local people and, conversely, how local claims and needs have shaped the interpretation of rights. Case studies from early movements to the present day. Introduces the theoretical, legal, and institutional tools of human rights practice. Emphasizes the understanding of local perspectives in many of the region's widely known human rights cases.

Note: Open to Freshmen only.

***Freshman Seminar 41k. Language and Politics**

Catalog Number: 0091 Enrollment: Limited to 12.

Fred C. Schaffer

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Investigates the multiple roles that language plays in politics and the study of politics. Questions: Can speaking itself be a form of political action? How do literacy and orality affect political organization? Are our political views and conceptualizations shaped by the language we speak? How is language used as weapons of domination and resistance? How can we characterize political discourse in the United States? What, for instance, should we make of the "war on terrorism?"

Note: Open to Freshmen only.

***Freshman Seminar 41n. Trust and Democratic Politics - (New Course)**

Catalog Number: 0805 Enrollment: Limited to 12.



Patti T. Lenard

Half course (fall term). M., 3–5.

Trust is reported to be on the decline across Western countries. Is trust really the panacea for the difficulties faced by contemporary democratic states? Possible roles of trust in politics, especially democratic politics. Examines how classical and modern philosophers have treated trust and related concepts. How can trust be measured? With these tools, investigates trust relations in both the United States and Europe. Sources of trust difficulties: inequality gaps, ethno-cultural diversity, and corruption.

Note: Open to Freshmen only.

***Freshman Seminar 41p. American Presidential Campaigns and Elections 1960–2004: Is the System Broken?**

Catalog Number: 2004 Enrollment: Limited to 12.

Maxine Isaacs

Half course (fall term). Tu., 1–3.

Is the American system of choosing leaders in need of reform or is it fundamentally sound and strong? Perspectives studied: change in presidential campaigns over time; nature and structure of American public opinion about presidential politics and presidency; ways in which the American news media transmit information about issues, campaigns, and elections; and, most importantly, impact of the news upon political behavior and what people actually do with the information received through the media.

Note: Open to Freshmen only.

***Freshman Seminar 41q. Medicine, Ethics, and Culture - (New Course)**

Catalog Number: 8466 Enrollment: Limited to 12.

Stefan Sperling

Half course (fall term). Tu., 1–4.

Investigates how bioethics is culturally and historically contingent, studies how moral and ethical judgments are arrived at communally, and explores sources and validity of moral ideas and convictions. Bioethics claims to speak for universal ethical norms and values; it operates with socially and culturally specific images of human nature, rational action, legal personhood, and the "good life." Explores how Western ideas of bioethics differ among themselves, and with other cultural traditions.

Note: Open to Freshmen only.

***Freshman Seminar 41s. The Confederacy, 1860–1865**

Catalog Number: 2015 Enrollment: Limited to 12.

Elisabeth L. Laskin

Half course (spring term). M., 1–3.

Study of social, political, and military history of the Confederate States of America (1860-1865) permits examination of Southern experiences of secession, self-governance, war, and defeat. Focus on stress war placed on Southern society, and how these ultimately led to Confederacy's defeat. Considers the ways in which this war and its participants have been remembered. Addresses the historical origins of ongoing issues such as race relations and the role and power of government in American society.

Note: Open to Freshmen only.



***Freshman Seminar 41t. Classical Political Economy**

Catalog Number: 2077 Enrollment: Limited to 12.

Robert H. Neugeboren

Half course (spring term). W., 1–3.

For students with a wide range of interests in social sciences. Guided reading of the classical political economists. The works of Smith, Mill, and Marx considered as the background for critical discussion of development of modern social science, especially economics. Relate readings to contemporary issues. Students write an extended paper on an area of individual interest: a modern inquiry in the spirit of the classical political economists.

Note: Open to Freshmen only.

***Freshman Seminar 41u. Museums**

Catalog Number: 2910 Enrollment: Limited to 12.

James Hanken

Half course (spring term). Tu., 2–4.

What are museums? Where did they come from? What exactly do they do, and why? Traces history of museums. Considers functions of scholarly research and public display, the mechanics and psychology of exhibit design, legal and ethical issues of collecting and acquisition, and challenges confronting museums and how they likely will fare in the future. Deals with all kinds and sizes of museums from the art museum to the artifact museum.

Note: Open to Freshmen only. Applicants should be free to participate in a possible, longer field trip during Spring Break.

***Freshman Seminar 41w. Public Power, Private Lives: Writing 20th-Century US History as Biography - (New Course)**

Catalog Number: 5932 Enrollment: Limited to 12.

Lizabeth Cohen

Half course (fall term). W., 2–4.

Can biography contribute to serious historical inquiry? How can lives of influential Americans illuminate the 20th century, while still doing justice to the individual? How do literary devices interact with historical interpretation? Do some lives and times lend themselves better than others to this historical and literary challenge? Biographies of individuals ranging from presidents to social activists, scientists to rock and roll stars. Contrast biographies of the same individual, and autobiography to biography.

Note: Open to Freshmen only.

***Freshman Seminar 41x. “This Land is Whose Land?”: Sacred Places and American Law - (New Course)**

Catalog Number: 3891 Enrollment: Limited to 12.

Malinda Maynor Lowery

Half course (fall term). Tu., 2–4.

Investigates American Indian sacred places--national parks, private monuments, shrines, burial grounds (sources of natural, economic, and spiritual power). American legal system sees sacred space in a building but not in nature. How should American Indian sacred places and religious freedom be protected? Roles played by places and law in forming personality and cultural assumptions. What are the ideas, lifeways, and cultures that are at stake in this question, for both



Indians and non Indians?

Note: Open to Freshmen only.

***Freshman Seminar 41y. From Reform to Revolution: Youth Culture in the 1960s - (New Course)**

Catalog Number: 8842 Enrollment: Limited to 12.

John C. McMillian

Half course (fall term). F., 1–3.

Examines the beliefs and practices of young people in the Vietnam Era who believed that their words and actions could change the world. Was American society was rotten at its core, but ready to be rebuilt anew? What were the intellectual and socio-cultural forces that account for the rapid rise, and precipitous decline, of youth culture activism? Explores a wide range of course materials, including primary source documents, memoirs, monographs, films, and a novel.

Note: Open to Freshmen only.

***Freshman Seminar 43q. Historian and the Genes—From Mendel to Human Clones - (New Course)**

Catalog Number: 6220 Enrollment: Limited to 12.

Everett I. Mendelsohn

Half course (spring term). Tu., 2–4.

Examines several sides of the history of genetics -- scientific, cultural, social, and political -- through the reading of original texts, through the study of their reception, rejection, or modification, through the analysis of their incorporation into fiction as well as social theory and practice, and through the exploration of their interaction with other sciences and with agricultural and medical practices.

Note: Open to Freshmen only. There will be one or two additional evening sessions to view films.

***Freshman Seminar 44g. Public Policy Approaches to Global Climate Change**

Catalog Number: 1032 Enrollment: Limited to 12.

Richard N. Cooper

Half course (fall term). W., 1:30–4.

Reviews what is known about greenhouse gas emissions' possible impact on climate. Explores possible impact of climate change on social and economic conditions over the next century. Investigates possible public policy responses to these developments, including actions both to adapt to and to mitigate climate change. What would be the costs of adaptation? Would an investment in mitigating the changes be worthwhile? Are there possibilities for international cooperation in dealing with the problem?

Note: Open to Freshmen only.

***Freshman Seminar 44i. The Golden Age of Piracy - (New Course)**

Catalog Number: 7548 Enrollment: Limited to 12.

Mark G. Hanna

Half course (fall term). W., 2–4.

Places pirates on center stage as a lens through which to study massive transformations of the



late 16th to the 18th century that marked early phases of what is today called globalization. Explores topics including global economics, international law, imperial politics, gender, literary studies, social class, journalism, and religion. Studies construction of the concept of the Golden Age of Piracy in historical memory by James Fenimore Cooper, Edgar Allan Poe, and Robert Louis Stevenson.

Note: Open to Freshmen only.

***Freshman Seminar 44j. The Aztecs and Maya**

Catalog Number: 7826 Enrollment: Limited to 12.

David L. Carrasco (FAS, Divinity School) and William L. Fash
Half course (spring term). W., 2–5.

Explores religion, social relations, settlements, and history. Examines how modern scholars and students explore world-view, social relations, and history of other cultures. Investigates how observer bias plays role in describing and explaining "the other." Analyzes how religion fueled genesis and expansion of the Aztec empire as well as the Conquistadors' activities. Examines approaches used to piece back together puzzle of how a magnificent cultural tradition, the Maya, took root and thrived in tropical forest setting.

Note: Open to Freshmen only.

***Freshman Seminar 44m. Harvard and the History of Higher Education in the U.S., 1636-2006 - (New Course)**

Catalog Number: 1474 Enrollment: Limited to 12.

Ellen Condliffe Lagemann (School of Education)
Half course (spring term). Hours to be arranged.

Studies history of Harvard as a force in shaping higher education in the US and around the world. Examines Harvard's history as a college, its transformation into a university, and those policies and practices that have been influential elsewhere, including selective admission, the case method in professional education, affirmative action, and the Core Curriculum. Matters pertaining to race, class, and gender have also been central in Harvard's history.

Note: Open to Freshmen only.

***Freshman Seminar 44p. Contemporary India: Fact and Fiction**

Catalog Number: 0019 Enrollment: Limited to 12.

Rena Fonseca
Half course (fall term). Tu., 2–4.

Explores rich post-colonial literature, by Indians in English, interpreting India's variety and contradictions. Explores several themes at the heart of Indian society: the idea of India, legacy of colonialism, caste struggles, religious identities, changing role of women, and influence of the diaspora. What does it mean to be an Indian today? Readings from history, political science, and sociology provide basic concepts; fiction readings embed social science concepts and ground them in lived experience.

Note: Open to Freshmen only.

***Freshman Seminar 44w. Health and Inequality**

Catalog Number: 2973 Enrollment: Limited to 12.

Jonathan Ian Levy (Public Health) and Daniel I. Wikler (Public Health)



Half course (spring term). W., 2–4.

Growing evidence indicates that disparities in health and quality of life are related to social and environmental factors. This course examines determinants of health disparities within the United States and across the world, drawing on evidence from public health, economics, philosophy, and other fields. The roles of income, race/ethnicity, education, and other factors are considered, placing information in an ethical context to identify which inequalities are unjust and what social policies might reduce disparities.

Note: Open to Freshmen only.

***Freshman Seminar 45m. The Concept of Race in Science and Medicine in the United States - (New Course)**

Catalog Number: 7675 Enrollment: Limited to 12.

Evelynn M. Hammonds (Department of History of Science and Department of African and African American Studies)

Half course (spring term). Tu., 2–4.

Studies how biologists, anthropologists, and physicians took up the questions of racial classifications, race differences, and race mixing. How did these ideas change as new tools such as genetics and evolutionary theory were developed? What is the relationship between scientific debates about race and other debates about identity and citizenship in the larger US context? How do new ideas about genetic variation among/between human groups enlist or resist concepts of race today?

Note: Open to Freshmen only.

***Freshman Seminar 45v. Cemetery as History: Jewish Burial Places and Their Christian Context in Europe and North America - (New Course)**

Catalog Number: 4290 Enrollment: Limited to 12.

Rachel L. Greenblatt

Half course (fall term). Tu., 2–4.

In cemeteries, living visitors remember and relate to dead family and friends, martyrs and heroes. These relationships and modes of memory vary from place to place and have changed over time. Examines medieval and modern Jewish cemeteries like the Old Jewish Cemetery in Prague and at Ouderkerk, just outside Amsterdam, first modern Christian cemeteries in France and Germany, and cemeteries in US. Visits to cemeteries and memorials on campus, in Cambridge, and in surrounding areas.

Note: Open to Freshmen only. Additional field trips may be scheduled.

***Freshman Seminar 46m. Understanding Terrorism - (New Course)**

Catalog Number: 4348 Enrollment: Limited to 12.

Louise M. Richardson and Jessica E. Stern

Half course (fall term). Tu., 2–4.

Introduces study of terrorism, among the gravest threats facing the world today. Covers history and evolution of tactic, from the Zealots to al Qaeda. Assesses terrorists' motivations and how they market causes to various publics. Uses case studies of variety of terrorist groups at different points in history to explore ethics both of terrorist behaviors and state responses and the rationality and psychology of terrorist operatives and their organizations. Examines dilemma



faced by democratic states.

Note: Open to Freshmen only.

***Freshman Seminar 46p. Human Rights**

Catalog Number: 8408 Enrollment: Limited to 12.

Jennifer Leaning (Public Health, Medical School)

Half course (fall term). W., 3–5:30.

Studies how human rights perspective illuminates relations between state authority and individuals and defines standards of behavior that societies agree to aspire to reach. Topics include the 1948 Universal Declaration of Human Rights, rights in political and economic spheres, the rights of women, children, and refugees, international human rights law and international humanitarian law, and the state, regional, and international processes and structures that establish and monitor the regime of international human rights law.

Note: Open to Freshmen only.

***Freshman Seminar 46s. The Idea of Crime**

Catalog Number: 5122 Enrollment: Limited to 12.

Robert J. Sampson

Half course (fall term). M., 2–4.

Explores fundamental debates on crime's definition, nature, explanation, and control. Begins with controversies over the very definition of crime and deviance. Explores the assumptions that different theories make about human nature, and then turns to competing explanations and paradigms. Asks why the integration of knowledge has been so difficult in the study of crime, and assesses how competing theories square with relevant data. Implications of sociological theory for understanding approaches to control of crime.

Note: Open to Freshmen only.

***Freshman Seminar 46v. Political Speech-Making and the Language of American Democracy - (New Course)**

Catalog Number: 1928 Enrollment: Limited to 12.

Timothy P. McCarthy

Half course (spring term). W., 2–4.

Examines rhetorical and artistic dimensions of some of the most memorable speeches delivered by American presidents, political figures, abolitionists and civil rights workers, feminists and labor activists. Presents an exciting hands-on tour of some of the most important milestones in U.S. political history as a way to inspire in students a more creative understanding of and engagement with American democracy. Not only explores use of language but historical themes and cultural contexts also.

Note: Open to Freshmen only.

***Freshman Seminar 47k. The Invention of Nature**

Catalog Number: 6260 Enrollment: Limited to 12.

Robert France (Design School)

Half course (spring term). W., 2–4:30.

Is nature real, or is it a cultural construct? Examines questions of physically manipulating or designing nature. Reviews approaches to design of nature: artificial natures like computer



simulations and constructed simulacra, hyper-natures like Disney's Wilderness Lodge, and gardens, parks, and zoos. Investigates applications of design with nature: creation of ecological designs by landscape architects and reclamation of degraded sites as ecotourism centers. Studies designs for nature: restoration ecology and wildlife and wilderness management.

Note: Open to Freshmen only.

***Freshman Seminar 47m. Nationalism in Modern Western Europe - (New Course)**

Catalog Number: 7343 Enrollment: Limited to 12.

Nikolas Prevelakis

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Investigates process through which nationalism emerged, first in Europe, then in the rest of the world. Impact on the economy, religion, and literature. Emphasis on differences between types of nationalism (ethnic/civic, individualistic/collectivistic) as well as on importance of national intellectuals, circulation of ideas and of their means of transmission (e.g. the mass media, the school system, the universities). Empirical evidence from history of Europe, United States, Japan, the Balkans, and Latin America.

Note: Open to Freshmen only.

***Freshman Seminar 47y. Food, Eating, and Diet**

Catalog Number: 1853 Enrollment: Limited to 12.

Steven Shapin

Half course (spring term). M., 12–2.

What, how, how much, when, where, and with whom you eat speaks volumes about who you are, who you would like to be, and to which social groups you belong. Explores a set of issues concerning how we eat and are fed in contemporary world and what historical changes have occurred in the culture, science, and political economy of eating. Evidence from nutritional experts, historians, anthropologists, journalists, and other cultural commentators including fiction and film.

Note: Open to Freshmen only.

***Freshman Seminar 48k. Political Legitimacy and Resistance: What Happened in Montaigne's Library on the Night of October 23, 1587, and Why Should Political Philosophers Care?**

Catalog Number: 4798 Enrollment: Limited to 12.

Arthur I. Applbaum (Kennedy School)

Half course (spring term). M., 2–4:30. EXAM GROUP: 7, 8, 9

Explores the theories of political legitimacy and justified resistance to authority developed by the persecuted Protestants during the French Wars of Religion, and traces the influence of these ideas about political obligation and religious conscience on some of the major figures in modern political philosophy from John Locke to John Rawls. Students should be prepared to engage in both historical detective work and philosophical reflection. All required reading will be in English.

Note: Open to Freshmen only.

***Freshman Seminar 48m. The Tobacco Pandemic: History, Culture, Science, and Policy - (New Course)**



Catalog Number: 9368 Enrollment: Limited to 12.

Allan M. Brandt

Half course (spring term). W., 2–4.

Examines cultural, scientific, political, and legal aspects of history of cigarette use, both in US and globally. Explores the relationships of cultural change to patterns of health and disease; of advertising and promotion to consumption; and of corporate interests to regulation. Relationship of risk, behavior, and responsibility for disease seen through tobacco issue. Should smokers be held responsible for their "voluntary" risks? Or should governments or corporations bear the responsibility for the harms of smoking?

Note: Open to Freshmen only.

***Freshman Seminar 48v. North Korea as History and Crisis - (New Course)**

Catalog Number: 5209 Enrollment: Limited to 12.

Carter J. Eckert

Half course (spring term). W., 3–5.

Explores the historical context of the present crisis on the Korean peninsula and engages students in current debates about the crises from a variety of different official, institutional, and popular perspectives, including those of North and South Korea, the United States, China, Japan, Russia, and other concerned parties, such as the United Nations. Students encouraged to develop own perspectives on resolving the crisis. Examines role of historical forces in shaping the crisis and its possible resolution.

***Freshman Seminar 49e. Globalization: Critical Perspectives**

Catalog Number: 5230 Enrollment: Limited to 12.

Adam Webb

Half course (spring term). W., 3–5.

Does globalizations set people free or does it erode community values? What are the rival visions of what a "global" society and polity should be? Why have some visions proved more compelling than others? Topics to be investigated include: economic optimism, globalization as human emancipation, critiques of economic inequality, globalization and the media, national identity in the global community, sovereignty and power, civic membership, religious responses, globalization and democracy, and trans-national political institutions.

Note: Open to Freshmen only.

***Freshman Seminar 49i. Understanding Ancient Politics in the Medieval World - (New Course)**

Catalog Number: 8256 Enrollment: Limited to 12.

Noah I. Dauber

Half course (fall term). W., 1–3.

What was the role of the Ancient World before the Renaissance? Explores selected themes in political literature of late Middle Ages, including democracy, value of the pastoral and agricultural life, friendship between lord and servant, and place of women and nature of the household. How did medieval authors read Aristotle and Roman historians in light of institutions of their own day? Investigates social and economic bases of politics, roots of community, liberty, and political participation.

Note: Open to Freshmen only.



***Freshman Seminar 49k. Wealth and Leadership: Two Centuries of Boston's Philanthropy**

Catalog Number: 5767 Enrollment: Limited to 12.

Peter Dobkin Hall

Half course (fall term). W., 3–5.

Why do some cities thrive, while others fail? Why do some institutions embrace change, while others resist it? How do leadership and philanthropy enable communities to meet challenges creatively? Explores how the expansive civic vision of the city's private sector leaders, combined with deep traditions of private generosity, have enabled Harvard, the Museum of Fine Arts, Mount Auburn Cemetery, the Lowell Institute, and other institutions to remain "world-class" despite disruptive economic, political, and social changes.

Note: Open to Freshmen only.

***Freshman Seminar 49l. Cruelty and Modern Law: The Jurisprudence of Cruelty, Brutality, and Suffering - (New Course)**

Catalog Number: 3720 Enrollment: Limited to 12.

Paulo Barrozo (Committee on Degrees in Social Studies)

Half course (spring term). W., 2–4.

How and when does cruelty matter? Interrogates the nature of our ideas and feelings about cruelty, vulnerability, brutality, exploitation, and suffering and the way these ideas are reflected in modern law. Rejection of cruelty pervades modern moral sensibility and thought, legal institutions, discursive formulas, and social practices. What is at stake in this rejection? Pairs films, novels, memoirs, legal documents, social data, historiographical work, and students' narratives with seminal legal and philosophical works.

***Freshman Seminar 49n. Measurements of the Mind: The Creation and Critique of the Psychological Test - (New Course)**

Catalog Number: 9965 Enrollment: Limited to 12.

Marla D. Eby (Medical School)

Half course (fall term). W., 2–4.

Introduces the history of psychological tests, from the perspective of the psychologists using them, the people tested, and the general public. Examines the creativity within psychology in the making of such tests, as well as the drawbacks and dangers of the (mis)uses of these instruments. Explores tests in current use, as well as tests contained in various Harvard archives. Final project for this seminar involves the design of an original psychological test.

Note: Open to Freshmen only.

***Freshman Seminar 49s. The United Nations, Past and Present: Can the UN Be Fixed? Is the UN the Problem?**

Catalog Number: 5692 Enrollment: Limited to 12.

Samantha J. Power

Half course (spring term). M., 4–6. EXAM GROUP: 9

Examines UN system, and its willingness and capacity to confront genocidaires, terrorists, and repressive states, and to rein in unilateralist democracies. Discusses the history of the United Nations and its current work. Students will be required to submit an end-of-semester detailed memo to the Secretary General proposing a specific UN reform and outlining a strategy for



securing the support of the United States and the other major powers.

Note: Open to Freshmen only.

***Freshman Seminar 49t. Russia as a Multiethnic Empire**

Catalog Number: 7988 Enrollment: Limited to 12.

Sean M. Pollock

Half course (spring term). Th., 2–4.

Studies Russia as a multiethnic empire and considers the consequences of doing so for the idea of Russia and of Russianness. Moves discussion away from the Russian heartland and into the borderlands. Readings include theoretical literature on empire, nation, frontier, borderland, and identity formation; primary texts including diaries, travelogues, maps, prose fiction, and poetry; and selections from such literary giants as Gogol, Pushkin, and Tolstoy, for insight into the peculiarities of the Russian imperial experience.

Note: No previous knowledge of Russian history or literature is required; all readings will be in English.

***Freshman Seminar 49z. The Art of the Impossible: Political Leadership in the 20th Century - (New Course)**

Catalog Number: 7628 Enrollment: Limited to 12.

Roderick MacFarquhar

Half course (fall term). W., 2–4.

Academic interest in political leaders has declined as historians and political scientists have focused on political, economic, and social forces. But certain individual leaders stand out for having bestowed great benefit or having wreaked great havoc upon their nations. Considers political leadership not as the art of the possible but the art of the impossible: mobilizing a nation for Herculean efforts or leading it into uncharted waters.

Note: Open to Freshmen only.

African and African American Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of African and African American Studies

Evelyn Brooks Higginbotham, Victor S. Thomas Professor of History and of African and African American Studies (*Chair*)

Kofi Agawu, Walter Bigelow Rosen Professor of Music and Professor of African and African American Studies (*on leave spring term*)

Emmanuel K. Akyeampong, Harvard College Professor and Professor of History and of African and African American Studies



Robert H. Bates, Eaton Professor of the Science of Government and Professor of African and African American Studies

Homi K. Bhabha, Anne F. Rothenberg Professor of the Humanities

Suzanne P. Blier, Allen Whitehill Clowes Professor of Fine Arts and Professor of African and African American Studies

Glenda R. Carpio, Associate Professor of African and African American Studies and of English and American Literature and Language

Kimberly McClain DaCosta, Associate Professor of African and African American Studies and of Social Studies

Cheryl Finley, Visiting Professor of African and African American Studies (*Cornell University*) (*spring term only*)

Marla F. Frederick, Assistant Professor of African and African American Studies and of the Study of Religion

Henry Louis Gates, Jr., Alphonse Fletcher, Jr. University Professor

Evelynn M. Hammonds, Professor of the History of Science and of African and African American Studies

Jennifer L. Hochschild, Henry LaBarre Jayne Professor of Government and Professor of African and African American Studies

Francis Abiola Irele, Visiting Professor of African and African American Studies and of Romance Languages and Literatures

Biodun Jeyifo, Professor of African and African American Studies (*fall term only*)

Jamaica Kincaid, Visiting Lecturer on African and African American Studies and on English and American Literature and Language (*not in residence 2007-2008*)

Michael R. Kremer, Gates Professor of Developing Societies

Michèle Lamont, Robert I. Goldman Professor of European Studies and Professor of Sociology and of African and African American Studies (*on leave 2006-07*)

Nike S. Lawal, Preceptor in African and African American Studies

J. Lorand Matory, Professor of Anthropology and of African and African American Studies

Ingrid Monson, Quincy Jones Professor of African-American Music, Supported by the Time Warner Endowment (*on leave fall term*)

John M. Mugane, Professor of the Practice of African Languages and Cultures and Director of the African Language Program (*Director of the African Language Program*)

Susan E. O'Donovan, Associate Professor of African and African American Studies and of History (*on leave 2006-07*)

Jacob Olupona, Professor of African and African American Studies (*FAS*) and Professor of African Religious Traditions (*Divinity School*)

Tommie Shelby, John L. Loeb Associate Professor of the Social Sciences (*Director of Undergraduate Studies*)

Kay Kaufman Shelemay, G. Gordon Watts Professor of Music and Professor of African and African American Studies

James Sidanius, Professor of Psychology and of African and African American Studies

Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of African and African American Studies (*Director of Graduate Studies*)

John Stauffer, Professor of English and American Literature and Language and Professor of African and African American Studies

William Julius Wilson, Lewis F. and Linda L. Geysler University Professor



Other Faculty Offering Instruction in African and African American Studies

Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures
Wallace D. Best, Professor of African American Religious Studies (*Divinity School*)
Vincent Brown, Assistant Professor of History
Orlando Patterson, John Cowles Professor of Sociology (*on leave fall term*)
Ronald Kent Richardson, Visiting Associate Professor of African and African American Studies
Mark R. Warren, Associate Professor of Education (*Education School*)

Primarily for Undergraduates

[African and African American Studies 10. Introduction to African and African American Studies](#)

Catalog Number: 0802

Henry Louis Gates, Jr. and Evelyn Brooks Higginbotham
Half course (spring term). M., W., at 11. EXAM GROUP: 4

An exploration of some of the key texts and issues in African and African American Studies from a range of disciplinary perspectives. Members of the faculty deliver guest lectures in their own areas of specialization.

Note: Required of concentrators. Students who transfer into the concentration after their sophomore year may substitute another African and African American Studies course already taken if they satisfy the Director of Undergraduate Studies that it establishes a basic familiarity with the materials covered in African and African American Studies 10. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

[African and African American Studies 20. Introduction to African Languages and Cultures](#)

Catalog Number: 2048

John M. Mugane
Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

An introduction to African languages and cultures. Explores language use by sub-Saharan Africans to understand, organize, and transmit indigenous knowledge to successive generations. Language serves as a road map to understanding how social, political, and economic institutions and processes develop: from kinship structures, the evolution of political offices, trade relations, to the transfer of environmental knowledge.

African Languages

Language classes are open to undergraduates, graduate students, and cross-registration applicants.

Undergraduate Language Tutorials

[*African and African American Studies 90r. African Language Tutorials](#)

Catalog Number: 7010



John M. Mugane and Nike S. Lawal

Half course (fall term; repeated spring term). Hours to be arranged.

Individualized study of an African language at the elementary level. Contact hours with language coach. Emphasis on written expression, reading comprehension and oral fluency. The following languages are a partial list of those that can be taken: Bambara, Hausa, Igbo, Malagasy, and Zulu. In 2006–07, over 16 sub-Saharan languages were taught in the Department.

Note: For instruction in languages that are not listed, please consult the Director of the African Language Program. Not open to auditors.

Gikuyu

Gikuyu A. Elementary Gikuyu

Catalog Number: 0009

John M. Mugane

Full course (indivisible). Hours to be arranged.

Gikuyu is a Bantu language spoken by Kenya's most populous ethnic group. The Gikuyu are among Africa's most recognized peoples because of the Mau Mau freedom fighters who were mainly Gikuyu.

Note: The course is designed primarily for students who have no prior knowledge of Gikuyu; however, students with minimal knowledge of the language may also register for the course. Not open to auditors.

Gikuyu B. Intermediate Gikuyu

Catalog Number: 0010

John M. Mugane and assistant

Full course (indivisible). Hours to be arranged.

Continuation of Gikuyu A. Gikuyu is a Bantu language spoken by Kenya's most populous ethnic group. The Gikuyu are among Africa's most recognized peoples because of the Mau Mau freedom fighters who were mainly Gikuyu.

Note: Not open to auditors.

Prerequisite: Gikuyu A or the equivalent of one year's study in Gikuyu.

Gikuyu 101ar. Reading in Gikuyu

Catalog Number: 0017

John M. Mugane and assistant

Half course (fall term). Hours to be arranged.

Note: Not open to auditors.

Prerequisite: Gikuyu B or equivalent.

Gikuyu 101br. Reading in Gikuyu II

Catalog Number: 0018

John M. Mugane and assistant

Half course (spring term). Hours to be arranged.

Note: Not open to auditors.

Prerequisite: Gikuyu 101ar or equivalent.



Swahili

Swahili A (formerly African and African American Studies 121). Elementary Swahili

Catalog Number: 1878

John M. Mugane

Full course (indivisible). Fall: M., W., F., at 10; Spring: M., W., F., at 10. EXAM GROUP: 3

A study of the *lingua franca* of East Africa at the elementary level. Contact hours supplemented by language lab sessions. Emphasis on written expression, reading comprehension, and oral fluency.

Note: Not open to auditors.

Swahili B. Intermediate Swahili

Catalog Number: 3442

John M. Mugane and assistant

Full course (indivisible). Fall: Tu., Th., at 9. EXAM GROUP: Fall: 11

Continuation of Swahili A. A study of the *lingua franca* of East Africa at the elementary level. Contact hours supplemented by language lab sessions. Emphasis on written expression, reading comprehension, and oral fluency.

Note: Not open to auditors.

Prerequisite: Swahili A or the equivalent of one year's study of Swahili.

Swahili 101ar. Reading in Swahili

Catalog Number: 8503

John M. Mugane and assistant

Half course (fall term). Hours to be arranged.

Prerequisite: Swahili B or equivalent.

Swahili 101br (formerly African and African American Studies 121b). Reading in Swahili II

Catalog Number: 7746

John M. Mugane and assistant

Half course (spring term). Hours to be arranged. EXAM GROUP: 16, 17

Prerequisite: Swahili 101ar or equivalent.

Twi

Twi A. Elementary Twi

Catalog Number: 0023

Nike S. Lawal

Full course (indivisible). M., W., 3–5. EXAM GROUP: 8, 9

Twi is one of the regional languages of the Akan speaking peoples of Ghana, constituting the largest ethnic group in Ghana. Twi, is fast becoming the *lingua franca* of the country. This course aims to help students acquire the Twi language at the basic or elementary level.

Note: The course is designed primarily for students who have no prior knowledge of Twi; however, students with minimal knowledge of the language may also register for the course. Not open to auditors.



Twi B. Intermediate Twi

Catalog Number: 0025

Nike S. Lawal and assistant

Full course (indivisible). Hours to be arranged.

Continuation of Twi A. Twi is one of the regional languages of the Akan speaking peoples of Ghana constituting the largest ethnic group in Ghana. Twi, is fast becoming the *lingua franca* of the country. The Akan people are well known for their art and culture, especially the traditional colorful Kente cloth.

Note: Not open to auditors.

Prerequisite: Twi A or the equivalent of one year's study of Twi.

Twi 101ar. Reading in Twi

Catalog Number: 0026

Nike S. Lawal and assistant

Half course (fall term). Hours to be arranged.

Note: Not open to auditors.

Prerequisite: Twi B or equivalent.

Twi 101br. Reading in Twi II

Catalog Number: 0028

Nike S. Lawal

Half course (spring term). Hours to be arranged.

Note: Not open to auditors.

Prerequisite: Twi 101ar or equivalent.

Yoruba

Yoruba A. Elementary Yoruba

Catalog Number: 0029

Nike S. Lawal

Full course (indivisible). Spring: M., 3-5, T., W., 3. EXAM GROUP: Spring: 8, 9, 17

Yoruba is spoken in the West African countries of Nigeria, Benin Republic, and parts of Togo and Sierra Leone, therefore constituting one of the largest single languages in sub-Saharan Africa. Yoruba is also spoken in Cuba and Brazil. Students will acquire the Yoruba language at the basic or elementary level.

Note: Primarily designed for students who have no prior knowledge of Yoruba. However, students with minimal knowledge of the language may also register for the course. Not open to auditors.

Yoruba B. Intermediate Yoruba

Catalog Number: 0031

Nike S. Lawal

Full course (indivisible). Hours to be arranged.

Continuation of Yoruba A. Yoruba is spoken in the West African countries of Nigeria, Benin Republic, and parts of Togo and Sierra Leone, therefore constituting one of the largest single languages in sub-Saharan Africa. Yoruba is also spoken in Cuba and Brazil. Students will



acquire the Yoruba language at the basic or elementary level.

Note: Not open to auditors.

Prerequisite: Yoruba A or the equivalent of one year's study of Yoruba.

Yoruba 101ar. Reading in Yoruba

Catalog Number: 0033

Nike S. Lawal and assistant

Half course (fall term). Hours to be arranged.

Note: Not open to auditors.

Prerequisite: Yoruba B or equivalent.

Yoruba 101br. Reading in Yoruba II

Catalog Number: 0035

Nike S. Lawal and assistant

Half course (spring term). Hours to be arranged.

Note: Not open to auditors.

Prerequisite: Yoruba 101a or equivalent.

Undergraduate Tutorials

***African and African American Studies 91r. Supervised Reading and Research**

Catalog Number: 1269

Tommie Shelby and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Students wishing to enroll must petition the Director of Undergraduate Studies for approval, stating the proposed project, and must have permission of the proposed instructor. Ordinarily, students are required to have taken some coursework as background for their project.

African and African American Studies 97a. Introduction to African and African American Studies: African Religious Traditions in Africa and the Diaspora

Catalog Number: 1439

Jacob Olupona

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

This course focuses on the history and phenomenology of traditional religions of the African peoples in myth, ritual, arts, and symbols selected from Sub-Saharan Africa. Using historical, ethnographic, and textual sources, the seminar will also illuminate the lived religious experiences of African immigrant and diaspora communities in South America, the Caribbean, and the United States. We will examine African religious retentions on the forms of interaction between religion practice and other aspects of social identity.

African and African American Studies 97b. Topics in African American History and Society: Changing Concepts of Blackness

Catalog Number: 2393

Kimberly McClain DaCosta

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

This course introduces topics in African American society and history by focusing on a general



theme-changing concepts of blackness. Using a wide range of empirical and theoretical materials, we problematize what constitutes “race” and “blackness.” We explore issues of class division, regional variation, immigration, intermarriage, sexuality and gender, the social conditions which give rise to such formations, and their relation to political and cultural constructions of blackness.

***African and African American Studies 98. African American Tutorial**

Catalog Number: 6272

Tommie Shelby and members of the tutorial staff

Half course (fall term; repeated spring term). Hours to be arranged.

Students wishing to enroll must petition the Director of Undergraduate Studies for approval, stating the proposed project, and must have the permission of the proposed instructor. Ordinarily, students are required to have taken some coursework as background for their project.

Prerequisite: Completion of African and African American Studies 10, or a substitute course approved by the Head Tutor.

***African and African American Studies 98a. African Tutorial**

Catalog Number: 3070

Tommie Shelby and members of the tutorial staff

Half course (fall term; repeated spring term). Hours to be arranged.

Students wishing to enroll must petition the Director of Undergraduate Studies for approval, stating the proposed project, and must have the permission of the proposed instructor. Ordinarily, students are required to have taken some coursework as background for their project.

Prerequisite: Completion of African and African American Studies 10 or a substitute course approved by the Head Tutor.

***African and African American Studies 99. Senior Thesis Workshop**

Catalog Number: 8654

Tommie Shelby and members of the Department

Full course. Hours to be arranged.

Thesis supervision under the direction of a member of the Department.

Note: Enrollment limited to honors candidates.

For Undergraduates and Graduates

African and African American Studies 111 (formerly African and African American Studies 231). The Black Arts Movement: Art, Literature, Film, Music - (New Course)

Catalog Number: 0204

Cheryl Finley (Cornell University)

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Examining the American Black Arts Movement (1965–1972). Visual art practices such as abstraction, collage, performance, and photography will be studied alongside revolutionary theater, activist poetry, jazz, soul and rock-n-roll. Additional topics include race cinema, experimental film, and, finally, Blaxploitation.



African and African American Studies 112. Black Humor: Performance Art and Literature - (New Course)

Catalog Number: 1962

Glenda R. Carpio

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

This course explores the cultural richness of African American humor through analyses of stand-up, drama, the visual arts and literature from the 19th century onward. Artists include but are not limited to Richard Pryor (and many other important figures in black comedy), the painter Robert Colescott, the artists Kara Walker, writer William Wells Brown, Charles W. Chesnutt, George Schuyler, and Ishmael Reed.

African and African American Studies 113. Fictions of Race, Facts of Racism: Perspectives from South African and African American Drama and Fiction - (New Course)

Catalog Number: 1503

Biodun Jeyifo

Half course (fall term). Th., 4–6. EXAM GROUP: 18

The course will explore works of South African and African American drama and fiction while considering the claim that "race" is a socially constructed fiction. The works to be explored in the course juxtapose the fiction of race with the facts of racism to pose the fundamental question: Can we imagine a world where racism, like "race" will also become fiction? Authors include Baraka, Morrison, Naylor, August Wilson, Gordimer, Nkosi, Fugard, and Coetzee.

African and African American Studies 114. Black Utopias - (New Course)

Catalog Number: 9618

Francis Abiola Irele

Half course (spring term). M., 4–6. EXAM GROUP: 9

The theme of African renewal was first elaborated in the black diaspora where it had an inspirational value for movements of emancipation among black people in America. It later functioned as a formative influence on African nationalism and has today assumed a new significance with concept of "African Renaissance." Our examination of black utopias will focus on the force fields of ideas and internal tensions that have marked their development since the 18th century.

[African and African American Studies 115 (formerly Afro-American Studies 130). The Harlem Renaissance and the Negritude Movement]

Catalog Number: 1261

Francis Abiola Irele

Half course (fall term). Hours to be arranged.

We examine the thematic continuum between the Harlem Renaissance and the Negritude movement. The prevalence of the African theme in African American literature and thought will provide a background as well as focal reference for the exploration of the African experience by writers of the Negritude movement. The work of the writers involved in the Haitian Renaissance and *negritismo* movement in Cuban will be examined.

Note: Expected to be given in 2007–08.



African and African American Studies 116. Autobiography and Literary Imagination

Catalog Number: 8935

Jamaica Kincaid

Half course (fall term). M., 4–6. EXAM GROUP: 9

Looks at how subject people imagine themselves. Reading Walcott, Rhys, Soyinka and Fanon, among others.

African and African American Studies 118. African American History from the Slave Trade to 1900

Catalog Number: 7429

Ronald Kent Richardson

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

An introduction to African-American history and the role black men and women have played in the cultural, economic, and political life of the US. Topics will include the rise of slavery; the American Revolution and the problem of slavery; African-American social, economic, and cultural life in the antebellum North and South; the struggle for freedom during the Civil War and Reconstruction; and African-Americans in the age of segregation and disenfranchisement.

African and African American Studies 122. Caribbean Women Writers

Catalog Number: 5897

Jamaica Kincaid

Half course (spring term). M., 4–6. EXAM GROUP: 9

Focuses primarily on women writers from the English-speaking region of the West Indies. The readings include fiction, nonfiction, and poetry.

[African and African American Studies 127. Marxist Theories of Racism]

Catalog Number: 3133

Tommie Shelby

Half course (spring term). Hours to be arranged.

Marx himself doesn't say much about racism. However, many social scientists and historians have attempted to extend Marx's ideas to explain the phenomena of racial oppression and racial antagonism. We critically examine several Marxist and neo-Marxist accounts of racial ideology, the construction of racial identities, the relationship between class exploitation and racial subordination, and the role of capitalist development and expansion in creating racial inequality.

Note: Expected to be given in 2007–08.

African and African American Studies 128. Black Nationalism

Catalog Number: 3426

Tommie Shelby

Half course (spring term). W., 2–4; M., at 1; Th., at 1. EXAM GROUP: 7, 8

Critically examines the family of African American social philosophies generally classified under the broad rubric "black nationalism." Topics to be explored include the meaning of black collective self-determination; the relationship between black identity and black solidarity; and the significance of Africa for black nationalist ideals. Authors to be discussed include Martin Delany, Alexander Crummell, Edward Blyden, W.E.B. Du Bois, Marcus Garvey, Elijah



Muhammad, Malcolm X, Stokely Carmichael, Huey Newton, and some contemporary representatives of the tradition.

[African and African American Studies 129. African American Philosophy]

Catalog Number: 8380

Tommie Shelby

Half course (fall term). Hours to be arranged.

An examination of several vexing questions that arise when one reflects philosophically on the black experience in America. Topics include the perplexities of black identity, the moral and political significance of communal solidarity, racial justice and reparations, aesthetic judgment and cultural authenticity, the ethics of interracial intimacy, and the very idea of a distinctive African American philosophical tradition.

Note: Expected to be given in 2007–08.

[African and African American Studies 131. African-American Literature to the 1920s](#)

Catalog Number: 2589

Glenda R. Carpio

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Close readings of major writers in the context of cultural history. I) Literature and folk culture in the slavery period: Phillis Wheatley, Olaudah Equiano, Omar Ibn Said, Victor Séjour, Lydia Maria Child, Fredrick Douglass, Harriet Beecher Stowe, William Wells Brown, Frank Webb, Martin Robison Delany, and Harriet Jacobs. II) “Post-bellum, pre-Harlem”: Charles W. Chesnutt, Paul Laurence Dunbar, Pauline Hopkins, Du Bois, Booker T. Washington, and James Weldon Johnson. We examine diverse genres—from slave narratives, novels and poems to plays, speeches and song lyrics.

[African and African American Studies 133. Slavery in the Atlantic World]

Catalog Number: 1090

Susan E. O’Donovan

Half course (spring term). Hours to be arranged.

Slavery in the Americas stands out for its emphasis on labor, the millions of lives it consumed, and the many legacies it bequeathed. The course contemplates New World slavery from a comparative perspective, giving special attention to the enslaved, the worlds they inherited, and the worlds they made.

Note: Expected to be given in 2007–08.

[African and African American Studies 134z. Reading Thomas Jefferson and The African in America]

Catalog Number: 9959

Jamaica Kincaid

Half course (spring term). Hours to be arranged.

“We hold these truths to be self-evident: that all men are created equal....” The author of those words was Thomas Jefferson, third president of the US; but who might have needed them more, the author and President or a contemporary of his, a man he owned named Jupiter. A look through his writings into the world of Thomas Jefferson and the influence the enslaved African had upon him. Special attention will be paid to “The Declaration of Independence,” “Notes on



the State of Virginia,” and “The Farm and Garden Book.”

Note: Expected to be given in 2007–08.

[African and African American Studies 140z. The Other African Americans](#)

Catalog Number: 0300

J. Lorand Matory

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

We survey the history and contemporary experiences of self-identified "mixed-race" groups, as well as voluntary immigrant groups from Africa and the Caribbean, such as Cape Verdeans, Nigerians, Jamaicans, Afro-Puerto Ricans, and Haitians in the US. Students are introduced to arguments central to the social scientific study of modern societies generally, such as the invention of ethnicity, and negotiation of identity, and the social constructedness of race.

[African and African American Studies 141. Afro-Atlantic Religions]

Catalog Number: 3336

J. Lorand Matory

Half course (spring term). Hours to be arranged.

Investigates the spiritual, political, and economic lives of millions around the Atlantic perimeter who worship African gods: West and Central Africans, Cubans, Brazilians, Haitians, and North Americans. For them, the gods are sources of power, organization, and healing amid the local political dominance of Muslims and Christians and the seismic expansion of international capitalism—conditions which themselves require significant attention. Lectures focus on such themes as women’s empowerment and the construction of gender in these religions, while a series of in-class discussions with priests will propose its own themes.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3692.

[African and African American Studies 173. African Art and Colonialism: King Leopold’s Congo]

Catalog Number: 0307

Suzanne P. Blier

Half course (fall term). Hours to be arranged.

This class will explore African colonialism from the vantage of late 19th to early 20th century Congo, and specifically an extraordinary corpus of indigenous ivory carvings—some in local Boston collections—that present Europeans and Africans in this era. Slavery, trade, tourism, literary tropes, and religion (both Christian and traditional) are among the issues that will be examined, as students work toward the creation of a real or virtual exhibition of this material.

Note: Expected to be given in 2007–08.

[African and African American Studies 174x. African Architecture - \(New Course\)](#)

Catalog Number: 4413

Suzanne P. Blier

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

This course examines architecture in African in an array of contexts and historical periods. Emphasis will be given to the shaping of the built environment around core cultural, social, political and economic contexts. Questions of style, materials, design considerations, gender, class, religion, building genres, colonialism and globalization will be addressed. Students will



gain a knowledge not only of key monuments and models of African architecture, but also of differential scholarly approaches to these striking traditions.

[African and African American Studies 175. Introduction to African Music - \(New Course\)](#)

Catalog Number: 0917

Kofi Agawu

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Introduction to the vocal and instrumental music of Africa south of the Sahara. Topics include the place of music in society, the influence of language on musical composition, principles of rhythmic organizations, urban popular music, music and ritual healing, and appropriation of (traditional) African music by composers of 'art' music.

[African and African American Studies 182. Rhythm and Blues, Soul and Funk]

Catalog Number: 4282

Ingrid Monson

Half course (spring term). Hours to be arranged.

Focuses on the history of African American popular music from R&B to Funk, with particular attention to the interplay among music and African American cultural and political consciousness. A variety of critical approaches to the study of popular music are also introduced. *Note:* Expected to be given in 2007–08.

[African and African American Studies 184. Women and Religious Expression in 20th-Century African-American History]

Catalog Number: 1857

Marla F. Frederick

Half course (spring term). Hours to be arranged.

From Jonestown to the Nation of Islam to Buddhism and the Baptist Church, this course explores the various ways in which African American women have used religion as a means of interpreting their American experience. By a close examination of ethnographies of religious performance, spiritual autobiographies, historical texts and documentary film, this course gives special attention to the different methodologies employed in the study of religious experience. *Note:* Expected to be given in 2007–08.

[African and African American Studies 185. Perspectives in the African Novel]

Catalog Number: 6764

Francis Abiola Irele

Half course (fall term). Hours to be arranged.

We examine a representative selection of African novels with a view to grasping the development of the genre from the double heritage of the oral tradition and the literate conventions of the West. The African novel will be studied in relation to the dominant themes—colonialism, social and cultural change, the post-colonial dilemma—and the textual strategies adopted by the novelists in their rendering of the African experience in modern times.

Note: Expected to be given in 2007–08.

[African and African American Studies 190. African-American Families: Politics, Culture, Experience](#)



Catalog Number: 9440

Kimberly McClain DaCosta

Half course (fall term). W., 1–3. EXAM GROUP: 7

“The Black Family” has often been at the center of political debates about social policy, including welfare reform and crime. Such debates tend to obscure the particular historical, social, and economic circumstances that shape African American family life and posit a unidimensional black family experience. We explore the diversity of black family life—by class, region, family composition, and gender—and link social structure to how families form, function, and change.

[African and African American Studies 191. The Civil Rights Movement: Seminar]

Catalog Number: 0897

Evelyn Brooks Higginbotham

Half course (spring term). Hours to be arranged.

Explores the movement from its integrationist period in the 1950s and early 1960s to the heyday of militant black power in the late 1960s and early 1970s. Attention given to grassroots community activism, the contribution of nationally prominent individuals and organizations, and the changing of American laws, society, and the state.

Note: Expected to be given in 2007–08.

[African and African American Studies 192x. Religion and Society in Nigeria - \(New Course\)](#)

Catalog Number: 8241

Jacob Olupona

Half course (spring term). Th., 4–6. EXAM GROUP: 18

The seminar examines the historical development of religion in Nigeria and explores its intersection with ethnic identity, culture, and society in pre-colonial, colonial, and contemporary periods. The course provides an understanding of various cultural tradition, historical events and social forces that have shaped Nigeria’s religious express. Many topical issues will be explored such as indigenous religious culture, Christian and Muslim identities, civil religion, and civil society and democratization, as well as religion and politics in present-day Nigeria.

[African and African American Studies 193. Religion and Social Change in Black America](#)

Catalog Number: 8058

Marla F. Frederick

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Religion, as experienced in churches and mosques alike, has inspired new meanings of black subjectivity, history, and politics. From protest oriented struggles for civil rights to the personal responsibility calls of the Million Man March, religion has informed how Blacks engage the challenges of everyday life in America. Through ethnography, auto/biography and documentary film, this class examines the influence that the social reality of blackness and the religious expression of faith have had on the day to day existence of people of African descent in the US.

[African and African American Studies 193x. Rags to Riches: Religion and the Quest for the \(African\) American Dream - \(New Course\)](#)

Catalog Number: 2040

Marla F. Frederick

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8



This course examines the place of wealth and poverty in the African American religious imagination. From Marx and Weber's discussions of religion and capitalism, to Benjamin E. Mays and E. Franklin Frazier's articulations of the otherworldly impulse of Black Protestantism, to contemporary anthropological discussions of prosperity gospels-this course explores the complex relationship between Christianity and American capitalism among African Americans. Topics include individualism, Protestantism, race, neoliberalism, class and citizenship.

African and African American Studies 194. African-American Religious History-Part One

Catalog Number: 0036

Wallace D. Best (Divinity School)

Half course (fall term). Hours to be arranged.

This course will trace the early origins of African American religion in the United States. It begins with the theoretical debate concerning the influence of West African religious tradition on black religion. We will examine "slave religion," especial ritual baptism and sacred dance. After analyzing the rise of the black church movement of the nineteenth century, the course will conclude with an exploration of the role of black churches during the era of Jim Crow.

Note: Offered jointly with the Divinity School as 2334.

[*African and African American Studies 194y. Langston's "Salvation": Race, Religion, and the Harlem Renaissance]

Catalog Number: 0037 Enrollment: Limited to 20.

Wallace D. Best (Divinity School)

Half course (spring term). Hours to be arranged.

The Harlem Renaissance of the 1920s is most often depicted as "the flowering of African American arts and literature." It can also be characterized as a period of emergence for diverse forms of African American religious expressions, ideologies, and institutions. This course will explore the literature and visual arts of the Harlem Renaissance to understand the pivotal intersection of race and religion during this time of black "cultural production."

Note: Expected to be given in 2007-08. Offered jointly with the Divinity School as 2335.

African and African American Studies 195. The American Sermon: Homiletics in the Mainstream and on the Margins

Catalog Number: 0039 Enrollment: Limited to 10.

Wallace D. Best (Divinity School)

Half course (fall term). Hours to be arranged.

This course will examine sermonic texts and recordings from the era of the "Great Awakenings" of the late eighteenth and early nineteenth centuries up to the 1970s. We will explore these homilies, placing both them and their authors in historical context. We want to discover not only the theological perspectives contained in the sermons but also the cultural, social, economic, and political situations in the US that helped shape them.

Note: Offered jointly with the Divinity School as 2337.

African and African American Studies 195x. Black Womanist Theologies - (New Course)

Catalog Number: 3700

Wallace D. Best (Divinity School)

Half course (spring term). Hours to be arranged.



In this course we will read the scholarship of major Black and Womanist Theologians such as James Cone, Emilie Townes, Dwight McBride and Jacqueline Grant. We will give particular attention to the ways these theological frameworks do or do not work towards a "full" theology of the African American experience. Of central importance will be the themes crucial to Black and Womanist theologies including race, spirituality, social justice, sexuality, homophobia, HIV/AIDS, ecology, education, and work.

[African and African American Studies 195y. Black Gospel Music: A History]

Catalog Number: 0041

Wallace D. Best (Divinity School)

Half course (spring term). Hours to be arranged.

Black Gospel has been called the "sacred sister to the blues." Like the blues, it is a musical genre deeply rooted in the African American experience. This course traces the history of Black Gospel from its "modern" origins in 1930s Chicago, popularized by Thomas Dorsey and Mahalia Jackson, into the 1990s mainstream. Analyzing songs from each period, we will explore how the music has tended to reflect and critique the current cultural climate.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2336.

[African and African American Studies 196. Sociological Perspectives on Racial Inequity in America: Seminar]

Catalog Number: 9030

William Julius Wilson

Half course (spring term). Hours to be arranged.

Examines classical and contemporary works on racial inequality in America. Different conceptions of the social, economic, and political situations that affect the state and nature of race relations are critically analyzed, as well as the different views on race and social policy.

Note: Expected to be given in 2007–08. Offered jointly with the Kennedy School as HLE-209. Students must attend the first meeting to enroll.

Primarily for Graduates

[African and African American Studies 218. Topics in African American History](#)

Catalog Number: 9951

Evelyn Brooks Higginbotham

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Explores Afro-American History from the slave trade to 1900. Central themes include black people's lives and labor in slavery and freedom, black culture, and African American influences on national political discourse, including the changing dynamics of class, gender, and race.

[African and African American Studies 241. Topics in African American Social Science](#)

Catalog Number: 3668

James Sidanius

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

This course provides an in-depth and comprehensive exposure to the theoretical and methodological issues within the social psychology of racism and prejudice research. Approaches will include sociology, political science, and anthropology.



Graduate Courses

***African and African American Studies 301. Graduate Seminar**

Catalog Number: 3120

Werner Sollors, Henry Louis Gates, Jr., and members of the Department

Half course (fall term). Tu., 12–2.

Students are introduced to major themes, debates, and texts in the broad interdisciplinary field of African-American Studies. We focus on humanities and literary and cultural studies. For more information about this course, please visit the following website:

www.courses.fas.harvard.edu/3120.

Note: Required for all graduates in African and African American Studies in their first year.

Ordinarily only graduate students affiliated with the program are permitted to attend.

***African and African American Studies 302. Graduate Seminar**

Catalog Number: 7559

James Sidanius and members of the Department

Half course (spring term). Tu., 12–2.

Students are introduced to major themes, debates and texts in the broad interdisciplinary field of African-American Studies. African and African American Studies 302, in the spring term, focuses on the social sciences. For more information about this course, please visit the following website: www.courses.fas.harvard.edu/7559.

Note: Required for all graduates in African and African American Studies in their first year and ordinarily only graduate students affiliated with the program will be permitted to attend.

***African and African American Studies 310. Individual Reading Tutorial**

Catalog Number: 1374

Kofi Agawu 2498 (on leave spring term) (fall term only), Emmanuel K. Akyeampong 3421, Ali S. Asani 7739, Robert H. Bates 1251, Wallace D. Best (Divinity School) 5092, Homi K. Bhabha 4100, Suzanne P. Blier 3472, Vincent Brown 4638, Glenda R. Carpio 4408, Kimberly McClain DaCosta 4182, Drew Gilpin Faust 3857, Marla F. Frederick 4728, Henry Louis Gates, Jr. 2899, Evelyn M. Hammonds 4545, Evelyn Brooks Higginbotham 3517, Jennifer L. Hochschild 3785, Francis Abiola Irele 4354, Biodun Jeyifo 1001 (fall term only), Jamaica Kincaid 3178 (not in residence 2007-2008), Michael R. Kremer 2112, Michèle Lamont 4634 (on leave 2006-07), J. Lorand Matory 3098 (spring term only), Ingrid Monson 1591 (on leave fall term), Susan E. O'Donovan 3962 (on leave 2006-07), Jacob Olupona 5608, Orlando Patterson 1091 (on leave fall term), Tommie Shelby 3863, Kay Kaufman Shelemay 3483, Werner Sollors 7424, John Stauffer 1006, Mark R. Warren (Education School) 2010, and William Julius Wilson 2401

Allows students to work with an individual member of the faculty in a weekly tutorial.

Note: Students may not register for this course until their adviser and the faculty member with whom they plan to work have approved a program of study.

***African and African American Studies 390. Individual Research**

Catalog Number: 4046

Kofi Agawu 2498 (on leave spring term) (fall term only), Emmanuel K. Akyeampong 3421, Ali S. Asani 7739, Robert H. Bates 1251, Wallace D. Best (Divinity School) 5092, Homi K. Bhabha 4100, Suzanne P. Blier 3472, Vincent Brown 4638, Glenda R. Carpio 4408, Kimberly McClain



DaCosta 4182, Drew Gilpin Faust 3857, Marla F. Frederick 4728, Henry Louis Gates, Jr. 2899, Evelyn M. Hammonds 4545, Evelyn Brooks Higginbotham 3517, Jennifer L. Hochschild 3785, Francis Abiola Irele 4354, Biodun Jeyifo 1001 (fall term only), Jamaica Kincaid 3178 (not in residence 2007-2008), Michael R. Kremer 2112, Michèle Lamont 4634 (on leave 2006-07), J. Lorand Matory 3098 (spring term only), Ingrid Monson 1591 (on leave fall term), Susan E. O'Donovan 3962 (on leave 2006-07), Jacob Olupona 5608, Orlando Patterson 1091 (on leave fall term), Tommie Shelby 3863, Kay Kaufman Shelemay 3483, Werner Sollors 7424, John Stauffer 1006, Mark R. Warren (Education School) 2010, and William Julius Wilson 2401

Requires students to identify and carry out a research project under the guidance of a member of the faculty. Graduate students may use this course to begin work on the research paper required for admission to candidacy.

***African and African American Studies 391. Directed Writing**

Catalog Number: 4587

Kofi Agawu 2498 (on leave spring term) (fall term only), Emmanuel K. Akyeampong 3421, Ali S. Asani 7739, Robert H. Bates 1251, Wallace D. Best (Divinity School) 5092, Homi K. Bhabha 4100, Suzanne P. Blier 3472, Vincent Brown 4638, Francis Fiorenza (Divinity School) 2735, Marla F. Frederick 4728, Henry Louis Gates, Jr. 2899, Evelyn M. Hammonds 4545, Evelyn Brooks Higginbotham 3517, Jennifer L. Hochschild 3785, Francis Abiola Irele 4354, Biodun Jeyifo 1001 (fall term only), Jamaica Kincaid 3178 (not in residence 2007-2008), Michael R. Kremer 2112, Michèle Lamont 4634 (on leave 2006-07), J. Lorand Matory 3098, Ingrid Monson 1591 (on leave fall term), Susan E. O'Donovan 3962 (on leave 2006-07), Orlando Patterson 1091 (on leave fall term), Tommie Shelby 3863, Kay Kaufman Shelemay 3483, Werner Sollors 7424, John Stauffer 1006, Mark R. Warren (Education School) 2010, and William Julius Wilson 2401

Requires students to identify a major essay and carry it out under the guidance of a member of the faculty. Graduate students may use this course to begin to work on the research paper that is a requirement of admission to candidacy.

***African and African American Studies 398. Reading and Research - (New Course)**

Catalog Number: 0427

Kofi Agawu 2498 (on leave spring term) (fall term only), Emmanuel K. Akyeampong 3421, Ali S. Asani 7739, Robert H. Bates 1251, Wallace D. Best (Divinity School) 5092, Homi K. Bhabha 4100, Suzanne P. Blier 3472, Vincent Brown 4638, Glenda R. Carpio 4408, Kimberly McClain DaCosta 4182, Drew Gilpin Faust 3857, Marla F. Frederick 4728, Henry Louis Gates, Jr. 2899, Evelyn M. Hammonds 4545, Evelyn Brooks Higginbotham 3517, Jennifer L. Hochschild 3785, Francis Abiola Irele 4354, Biodun Jeyifo 1001 (fall term only), Jamaica Kincaid 3178 (not in residence 2007-2008), Michael R. Kremer 2112, Michèle Lamont 4634 (on leave 2006-07), J. Lorand Matory 3098 (spring term only), Ingrid Monson 1591 (on leave fall term), Susan E. O'Donovan 3962 (on leave 2006-07), Jacob Olupona 5608, Orlando Patterson 1091 (on leave fall term), Tommie Shelby 3863, Kay Kaufman Shelemay 3483, Werner Sollors 7424, John Stauffer 1006, Mark R. Warren (Education School) 2010, and William Julius Wilson 2401

Note: Permission of the instructor and the Director of Graduate Studies is required for enrollment.



***African and African American Studies 399. Direction of Doctoral Dissertations**

Catalog Number: 8411

Kofi Agawu 2498 (on leave spring term) (fall term only), Emmanuel K. Akyeampong 3421, Robert H. Bates 1251, Wallace D. Best (Divinity School) 5092, Homi K. Bhabha 4100, Suzanne P. Blier 3472, Glenda R. Carpio 4408, Kimberly McClain DaCosta 4182, Drew Gilpin Faust 3857, Marla F. Frederick 4728, Henry Louis Gates, Jr. 2899, Evelyn M. Hammonds 4545, Evelyn Brooks Higginbotham 3517, Jennifer L. Hochschild 3785, Francis Abiola Irele 4354, Biodun Jeyifo 1001 (fall term only), Jamaica Kincaid 3178 (not in residence 2007-2008), Michèle Lamont 4634 (on leave 2006-07), J. Lorand Matory 3098 (spring term only), Ingrid Monson 1591 (on leave fall term), Susan E. O'Donovan 3962 (on leave 2006-07), Jacob Olupona 5608, Orlando Patterson 1091 (on leave fall term), Tommie Shelby 3863, Kay Kaufman Shelemay 3483, Werner Sollors 7424, and William Julius Wilson 2401

Cross-listed Courses of Interest to Students Pursuing the African Track

[Anthropology 1750. Syncretism: Seminar]

[Ethiopic A. Introduction to Classical Ethiopic (Ge'ez)]

[Ethiopic 120ar. Readings in Classical Ethiopic \(Ge'ez\) Texts I](#)

[Ethiopic 120br. Readings in Classical Ethiopic \(Ge'ez\) Texts II](#)

*Ethiopic 300. Ethiopian Semitic Language and Literature

[Foreign Cultures 86. West African Cultures]

[French 70c. Introduction to French Literature III: The Francophone World](#)

[French 195 (formerly French 277). The African and Caribbean Novel in French: Comparative Perspectives]

[Government 1197. The Political Economy of Africa](#)

[Government 2162. Perspectives on Political Economy]

[Government 2227. The Politics and Economics of Africa - \(New Course\)](#)

[Historical Study A-21. Africa and Africans: The Making of a Continent in the Modern World]

[Historical Study B-52. Slavery and Slave Trade in Africa and the Americas]

*[History 90g. Major Themes in Comparative History](#)

[History 1905. Frontiers in Southern African History](#)

[History 1907. West Africa from 1800 to the Present](#)

[History 1912. Health, Disease, and Ecology in African History: Conference Course](#)

[History 1918. Colonialism in African History, 1880-1980](#)

[History 1919. Farmers, Food, and Famine in African History: Conference Course](#)

[History 1923. Violence, Substances and Mental Illness: African Perspectives: Conference Course - \(New Course\)](#)

[History 2913. Sex and Empire: Seminar](#)

[History of Art and Architecture 196. Contemporary Art in Africa]

[Literature and Arts B-78. Soundscapes: Exploring Music in a Changing World]

[Music 201b. Current Methods in Ethnomusicology](#)

[Social Analysis 52. The Political Economy of Development](#)

Cross-listed Courses of Interest to Students Pursuing the African American Track



[Anthropology 1600 \(formerly Anthropology 110\). Introduction to Social Anthropology](#)

[Applied Physics 293. Deformation of Solids]

[*Economics 1357. Historical Perspectives on American Economic Ascendancy]

[Economics 1812. The US Labor Market](#)

[Economics 1815. Social Problems of the American Economy]

[Economics 1816. Race in America - \(New Course\)](#)

[*English 90kw. The American Civil War](#)

[English 166x. The Postcolonial Classic](#)

[English 167p. Postcolonial Narratives]

[English 176x. Black Women Writers - \(New Course\)](#)

[English 195x. Contemporary African American Literature](#)

[*English 276x. African-American Literary Tradition: Graduate Seminar](#)

[Folklore and Mythology 114. Embodied Expression/Expressive Body: Dance in Cultural Context](#)

[Foreign Cultures 86. West African Cultures]

[French 42. Introduction au monde francophone]

[Government 2335. Power in American Society](#)

[*Government 2340. Proseminar on Inequality and Social Policy II](#)

[Government 2392. American Political Ideologies]

[Historical Study B-52. Slavery and Slave Trade in Africa and the Americas]

[History 1611. American Revolutions in the Atlantic World](#)

[History 1612. African Diaspora in the Americas: Conference Course](#)

[History 1633. African American Social Movements in the 20th Century] - *(New Course)*

[History 1664. African American Intellectual History: Conference Course]

[History 1912. Health, Disease, and Ecology in African History: Conference Course](#)

[History of Art and Architecture 193. Painting Traditions in Africa]

[*History of Art and Architecture 195v. Exhibiting Cultures: Museums, Monuments, Representation and Display - \(New Course\)](#)

[History of Art and Architecture 196. Contemporary Art in Africa]

[History of Science 149. Medical Technologies in Historical Perspective: Conference Course]

[History of Science 259. Theories of Race and/in Science: Seminar]

[Literature and Arts A-86. American Protest Literature from Tom Paine to Tupac]

[Literature and Arts A-88. Interracial Literature - \(New Course\)](#)

[Literature and Arts B-82. Sayin' Something: Jazz as Sound, Sensibility, and Social Dialogue]

[Moral Reasoning 58. Slavery in Western Political Thought](#)

[Music 190r. Topics in World Music: Proseminar](#)

[Music 194r. Special Topics: Proseminar](#)

[Music 208r. Ethnomusicology: Seminar](#)

[Religion 1549. Media, Religion, and Social Meaning](#)

[Religion 1580b. Introduction to African American Religious History – Part Two - \(New Course\)](#)

[Religion 1631. Hindu Traditions of Devotion]

[Social Analysis 52. The Political Economy of Development](#)



[Social Analysis 66. Race, Ethnicity, and Politics in the United States](#)
[*Visual and Environmental Studies 152r. Intermediate Video Workshop: Studio Course](#)

African Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on African Studies

Jacob Olupona, Professor of African and African American Studies (*FAS*) and Professor of African Religious Traditions (*Divinity School*) (*Chair*)
Rawi Abdelal, Associate Professor of Business Administration (*Business School*)
Kofi Agawu, Walter Bigelow Rosen Professor of Music and Professor of African and African American Studies (*on leave spring term*)
Leila N. Ahmed, Victor S. Thomas Professor of Divinity (*Divinity School*)
Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures
Robert H. Bates, Eaton Professor of the Science of Government and Professor of African and African American Studies
Suzanne P. Blier, Allen Whitehill Clowes Professor of Fine Arts and Professor of African and African American Studies
Rita M. Breen, Executive Officer for the Committee on African Studies
Prudence L. Carter, Associate Professor of Sociology (*on leave 2006-07*)
Felton J. Earls, Professor of Social Medicine and Professor of Human Behavior and Development in the School of Public Health and Child Psychiatry (*Medical School*)
Caroline M. Elkins, Hugh K. Foster Associate Professor of African Studies (*on leave 2006-07*)
Majid Ezzati, Assistant Professor of International Health (*Public Health*)
Wafaie W. Fawzi, Professor of Nutrition and Epidemiology (*Public Health*)
Deborah D. Foster, Senior Lecturer on Folklore and Mythology
Henry Louis Gates, Jr., Alphonse Fletcher, Jr. University Professor
Allan G. Hill, Andelot Professor of Demography (*Public Health*)
Nahomi Ichino, Assistant Professor of Government
Francis Abiola Irele, Visiting Professor of African and African American Studies and of Romance Languages and Literatures
Biodun Jeyifo, Professor of African and African American Studies
Calestous Juma, Professor of the Practice of International Development (*Kennedy School*)
Michael R. Kremer, Gates Professor of Developing Societies
Nike S. Lawal, Preceptor in African and African American Studies
Harry S. Martin III, Professor of Law and Library (*Law School*)
J. Lorand Matory, Professor of Anthropology and of African and African American Studies
Jens Meierhenrich, Assistant Professor of Government and of Social Studies, Contin Ed/Spec



Prog Instructor (*on leave fall term*)

Ingrid Monson, Quincy Jones Professor of African-American Music, Supported by the Time Warner Endowment (*on leave fall term*)

John M. Mugane, Professor of the Practice of African Languages and Cultures and Director of the African Language Program

Pauline E. Peters, Lecturer on Public Policy (*Kennedy School*)

Matthias Schündeln, Assistant Professor of Economics and of Social Studies

Kay Kaufman Shelemay, G. Gordon Watts Professor of Music and Professor of African and African American Studies

Debora L. Spar, Spangler Family Professor of Business Administration (*Business School*)

Lucie E. White, Louis A. Horvitz Professor of Law (*Law School*)

Richard K. Wolf, Harris K. Weston Associate Professor of the Humanities

The Committee on African Studies is a multidisciplinary group of scholars appointed by the Dean of the Faculty of Arts and Sciences to coordinate teaching and research on Africa within Harvard's departments and faculties. It is primarily concerned with the planned development of African studies in the University as a whole. Since it is also the Committee's goal to advance knowledge and understanding of African peoples throughout the University, it sponsors lectures, seminars, conferences, films, and exhibitions on Africa. Its non-credit Africa Seminar is open to all faculty members and students. The Committee offers undergraduate summer grants for senior honors thesis study and graduate dissertation research grants for travel to Africa. Students can subscribe to a weekly e-mail listing of Harvard Africa events by writing to rbreen@fas.harvard.edu. For additional information on African studies at Harvard, consult the Committee's website at www.fas.harvard.edu/~cafrica or email cafrica@fas.harvard.edu.

Undergraduates interested in pursuing a degree in African Studies should consult the African and African American Studies chapter in this catalog. That department also offers a number of courses on African topics and has an African language program, which teaches over ten languages.

The following FAS departments offer courses on Africa. A more detailed description of these courses may be found in this catalog under the appropriate department or committee.

Departments with Courses of Interest:

Core Curriculum

Freshman Seminars

African and African American Studies

Anthropology

Economics

English and American Literature and Language



Folklore and Mythology

Government

History

History of Art and Architecture

Music

Near Eastern Languages and Civilizations

Romance Languages and Literatures

Study of Religion

Social Studies

Visual and Environmental Studies

In addition to the departmental offerings in the Faculty of Arts and Sciences, courses on Africa can also be found in the catalogs of the Schools of Public Health, Education, Law, Divinity, Business, and the Kennedy School of Government.

Anthropology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Anthropology

Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology in the Faculty of Arts and Sciences and Professor of Medical Anthropology in the Faculty of Medicine (*Chair*)

Asad A. Ahmed, Assistant Professor of Anthropology

Ofer Bar-Yosef, George Grant MacCurdy and Janet G. B. MacCurdy Professor of Prehistoric Archaeology (*on leave spring term*)

John C. Barry, Lecturer on Anthropology

Theodore C. Bestor, Professor of Anthropology (*on leave 2006-07*)

Manduhai Buyandelgeriyn, Lecturer on Anthropology

David L. Carrasco, Neil L. Rudenstine Professor for the Study of Latin America (*FAS, Divinity*)

*School) (Head Tutor)*

Steven C. Caton, Professor of Contemporary Arab Studies

Judith F. Chapman, Lecturer on Anthropology

Paulette G. Curtis, Lecturer on Anthropology

Peter T. Ellison, John Cowles Professor of Anthropology

William L. Fash, Bowditch Professor of Central American and Mexican Archaeology and Ethnology

Rowan K. Flad, Assistant Professor of Anthropology (*on leave 2006-07*)Michael Herzfeld, Professor of Anthropology (*on leave spring term*)

Engseng Ho, Frederick S. Danzinger Associate Professor of Anthropology and of Social Studies

Cheryl D. Knott, Associate Professor of Anthropology

Smita Lahiri, Associate Professor of Anthropology

C. C. Lamberg-Karlovsky, Stephen Phillips Professor of Archaeology and Ethnology (*on leave spring term*)

Catalina Laserna, Lecturer on Anthropology

Daniel E. Lieberman, Professor of Anthropology (*on leave fall term*)

Susan F. Lipson, Lecturer on Anthropology

J. Lorand Matory, Professor of Anthropology and of African and African American Studies

Richard H. Meadow, Senior Lecturer on Anthropology

Pauline E. Peters, Lecturer on Public Policy (*Kennedy School*)

David Pilbeam, Henry Ford II Professor of Human Evolution

Sonja B. Plesset, Preceptor in Expository Writing, Tutor in Mather House, Lecturer on Anthropology, Tutor, Assistant Sr (Harv Std)

Jeffrey Quilter, Senior Lecturer on Anthropology

Maryellen Ruvolo, Professor of Anthropology

John S. Schoeberlein, Lecturer on Anthropology and on Near Eastern Languages and Civilizations

Mary M. Steedly, Professor of Anthropology

Ajantha Subramanian, Assistant Professor of Anthropology and of Social Studies

Lucien G. Taylor, Assistant Professor of Visual and Environmental Studies and of Anthropology (*on leave spring term*)Kimberly Theidon, Assistant Professor of Anthropology (*on leave fall term*)

Noreen Tuross, Landon T. Clay Professor of Scientific Archaeology

Jason A. Ur, Assistant Professor of Anthropology

Gary Urton, Dumbarton Oaks Professor of Pre-Columbian Studies

Sarah E. Wagner, Lecturer on Anthropology

James L. Watson, Harvard College Professor and John King and Wilma Cannon Fairbank Professor of Chinese Society (*on leave spring term*)

Rubie S. Watson, Senior Lecturer on Anthropology, Curator of Comparative Ethnology in the Peabody Museum, Temporary OT Eligible

Richard W. Wrangham, Harvard College Professor and Ruth Moore Professor of Biological Anthropology (*on leave 2006-07*)

Joshua Wright, Lecturer on Anthropology

Marc U. Zender, Lecturer on Anthropology

Other Faculty Offering Instruction in Anthropology



James J. Fox, Visiting Professor of Australian Studies (*The Australian National University*)
Byron J. Good, Professor of Medical Anthropology (*Medical School*)
Charles E. Rosenberg, Ernest E. Monrad Professor of the Social Sciences
Lawrence E. Stager, Dorot Professor of the Archaeology of Israel

Within the field of concentration there are three special fields: Archaeology, Biological Anthropology, and Social Anthropology. For the requirements in these special fields, consult the Undergraduate Office of the department. The Biological Anthropology faculty also offer a concentration in Human Evolutionary Biology that provides a general foundation in human and organismic biology as part of the Life Sciences cluster of concentrations. For requirements in the Human Evolutionary Biology concentration, see the Life Sciences website, www.lifescience.fas.harvard.edu, and also the Biological Anthropology website, www.anthropology.fas.harvard.edu.

Department of Anthropology course listings are numerically ordered as follows:

1000-1299 and 2000-2299: Archaeology

HEB 1300-1599: Biological Anthropology (see Human Evolutionary Biology chapter)

97y and 2300-2599: Biological Anthropology

1600-1999 and 2600-2999: Social Anthropology

Primarily for Undergraduates

***Anthropology 91r. Supervised Reading and Research**

Catalog Number: 2537

David L. Carrasco (FAS, Divinity School)

Half course (fall term; repeated spring term). Hours to be arranged.

Special study of selected topics in Anthropology, given on an individual basis and directly supervised by a member of the Department. May be taken for a letter grade or Pass/Fail. To enroll, a student *must submit a petition form* (available from the Anthropology Undergraduate Office, William James 352, or downloadable from the department's website), signed by the adviser under whom he or she wishes to study, and a proposed plan of study.

***Anthropology 92r. Research Methods in Museum Collections**

Catalog Number: 7712

David L. Carrasco (FAS, Divinity School)

Half course (fall term; repeated spring term). Hours to be arranged.

Special (individual) study of Peabody Museum collections directly supervised by a faculty member and a member of the curatorial staff. Requires a project involving a Harvard Museum collection, developed in consultation with the supervisors.

Note: Must be taken for a letter grade. Priority given to students in Anthropology and related departments. To enroll, *submit a petition form* (available from the Undergraduate Office, William James 352), signed by both supervisors, a proposed research agenda, during the term



preceding the term of enrollment. Information sheets with Museum contacts available in William James 352.

***Anthropology 99. Tutorial — Senior Year**

Catalog Number: 5830

David L. Carrasco (FAS, Divinity School)

Full course. Hours to be arranged.

Research and writing of the Senior Thesis. Limited to honors candidates. Signature of the faculty adviser required.

Archaeology

Primarily for Undergraduates

***Anthropology 97x. Sophomore Tutorial in Archaeology**

Catalog Number: 0400

Joshua Wright

Half course (spring term). M., 2–4.

This course will focus on archaeological thinking, the cognitive skeleton of the discipline of archaeology, the principles and the logic that are the foundation of all archaeological conclusions and research. Central to this is an understanding of research design, archaeological theory and interpretation, culture and material culture; as well as an understanding of how to examine and construct an archaeological argument.

Note: Required of all concentrators in Archaeology.

***Anthropology 98xa. Junior Tutorial in Archaeology**

Catalog Number: 2959

Richard H. Meadow

Half course (fall term). M., 1–3.

The junior tutorial provides a background in archaeological method and theory through critical analysis of selected issues and debates particularly focusing on more complex societies. Specific topics include the origins of agriculture and the domestication of animals, the development of complexity and “civilization,” post-colonial and historical archaeology, and related ethical and theoretical issues. Weekly readings (drawn from current journal literature), discussions, several short writing assignments.

Note: Required of all concentrators in Archaeology.

***Anthropology 98xb. Junior Tutorial in Archaeology**

Catalog Number: 3568

Richard H. Meadow

Half course (spring term). Hours to be arranged.

This individual tutorial for archaeology students intending to write a senior thesis is normally undertaken with a member of the faculty during the second term of junior year. To enroll, a student *must submit a petition form* (available from the Anthropology Undergraduate Office, William James 352, or downloadable from the department’s website) with a proposed course



plan of study and the tutorial adviser's signature.

Note: Required of candidates for honors in Archaeology.

For Undergraduates and Graduates

[Anthropology 1000 (formerly Anthropology 100). World Prehistory: Archaeological Approaches to Ancient Societies]

Catalog Number: 7182

Rowan K. Flad

Half course (fall term). Hours to be arranged.

An introduction to world prehistory. We explore the major themes from our human past, beginning with the evolution and behavior of our closest hominid ancestors from over five million years ago and continuing up through the formation of the great civilizations of the Old and New Worlds. A sub-text of the course is how archaeological knowledge is constructed.

Note: Expected to be given in 2007–08.

Anthropology 1010 (formerly Anthropology 101). Introduction to Archaeology

Catalog Number: 8727

Noreen Tuross and Jason A. Ur

Half course (fall term). M., W., at 10. EXAM GROUP: 3

A comprehensive introduction to the practice of archaeology and major themes from our human past: How do archaeologists know where to dig? How do we analyze and understand what we find? What do we know about the origins of the human species, agriculture, cities, and civilization? The lecture/laboratory format integrates methods and theory, and utilizes Peabody Museum collections, to provide an overview of analytic and interpretive techniques to reconstruct ancient diet, trade, and political systems.

***Anthropology 1020. Debates in the Archaeology of India and Pakistan: Seminar - (New Course)**

Catalog Number: 5150 Enrollment: Limited to 12.

Richard H. Meadow

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Focuses on controversies in the interpretation of archaeological remains from northwestern South Asia. Readings in the primary, interpretative, and popular literature and from the press and Internet form the foundation for discussion of such topics as: agricultural origins, the Indus Civilization and its relations to later cultures, the Aryan invasion theory, and the Ayodhya affair. The nature and use of archaeological evidence, logic of academic versus popular discourse, and role of belief form underlying themes.

Note: May not be taken pass/fail. No auditors permitted.

[Anthropology 1030 (formerly Anthropology 156). Religions of Mesoamerica]

Catalog Number: 3698

David L. Carrasco (FAS, Divinity School)

Half course (spring term). Tu., 3–5.

Examines the religious traditions of ancient and modern Mesoamerican peoples (including the Aztec, Mixtec, Zapotec, Maya, Teotihuacan, and Olmec), integrating archaeological, artistic,



documentary, and ethnographic source materials. Topics to be investigated include cosmology and world-view, sacred landscapes, divine rulership, shamanism, ancestor worship, public rituals and festivals, healing, among others, and how these topics were discussed and represented in ancient arts and literatures. The course will also study the religious consequences of Spanish domination as seen up to the present day.

Note: Expected to be given in 2007–08.

[Anthropology 1040 (formerly Anthropology 140). Origins of the Food We Eat]

Catalog Number: 1837

Ofer Bar-Yosef and Richard H. Meadow

Half course (fall term). Hours to be arranged.

Focuses on arguably the most significant transition in the human past, namely, that from hunting-gathering to agriculture and pastoralism. Covers the emergence of cultivation, adoption of plant foods, and domestication of animals in key regions of Asia and Latin America. Considers the spread of foods across the world during pre- and early history and beginning ca 1500 AD. Discusses the contributions of archaeology, climatology, botany, zoology, genetics, and linguistics to these topics.

Note: Expected to be given in 2007–08. Given in alternate years.

[Anthropology 1045. Ancient Settlement Systems: Seminar - \(New Course\)](#)

Catalog Number: 8978

Jason A. Ur

Half course (spring term). Th., 3–6. EXAM GROUP: 17, 18

Approaches to spatial patterning in human societies, including the structure of settlements and the regional distribution of populations. The seminar will consider how variation in settlement and settlement systems can be related to factors such as environment, economy, and social and political organization. Case studies will be drawn from a range of New and Old World societies of varying scales of sociopolitical complexity.

[Anthropology 1060 \(formerly Anthropology 166\). Archaeological Science](#)

Catalog Number: 2013

Noreen Tuross

Half course (spring term). M., 7–10 pm. EXAM GROUP: 9

Focus on physical science and engineering methods and techniques used by archaeologists in the reconstruction of time, space, and human paleoecology, and analysis of archaeological materials. Topics include ¹⁴C dating, ice core and palynological analysis, stable isotope chemistry of paleodietary foodwebs, soil micromorphology and site formation, Pb isotope sourcing of metal artifacts, and microstructural and mechanical analyses of cementitious materials used in ancient monumental buildings.

Note: Meets at MIT.

Prerequisite: One year of college-level chemistry or physics.

[Anthropology 1085. Six Great Discoveries in New World Archaeology - \(New Course\)](#)

Catalog Number: 2318

Jeffrey Quilter

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13



The class will use six important archaeological sites as case studies by which to understand prehistory and changing methods and interpretations of scholarly research. Although a final list will be developed in fall term 2006, candidates for the six sites include Cahokia, Chaco Canyon, Tenochtitlan, Cop Sip, and Machu Picchu.

Note: Open to advanced undergraduate and graduate students.

[Anthropology 1090. Ethnography and Archaeology](#)

Catalog Number: 8716

Gary Urton

Half course (fall term). Tu., 6:30–9 p.m. EXAM GROUP: 18

Archaeologists often draw on ethnographic studies of Western and non-Western societies as sources of explanation for ancient cultural practices. But the questions remain: How valid is the use of ethnographic analogy in the study of the past? What assumptions do archaeologists make about past social processes in their uses of ethnographic studies? These are some of the questions addressed in this course.

[Anthropology 1120. Comparative Analysis of Ancient Civilizations]

Catalog Number: 7474

C. C. Lamberg-Karlovsky

Half course (fall term). Hours to be arranged.

An analysis of the similarities and differences in the emergence of Mesopotamia, Egypt, Central Asia, and the Indus Valley. Economic, political, and religious systems are compared as are technology and demography.

Note: Expected to be given in 2007–08.

[Anthropology 1130. Archaeology of Harvard Yard]

Catalog Number: 1634

William L. Fash

Half course (fall term). Hours to be arranged.

Archaeological data recovered from Harvard Yard provide a richer and more nuanced view of the 17th through 19th century lives of students and faculty in Harvard Yard, an area that includes the Old College and Harvard Indian College. Students will excavate in Harvard Yard and process and analyze artifacts and report on the results. Additional topics to be covered include regional historical archaeology, research design, surveying, archival research, stratigraphy, and artifact analysis.

Note: Expected to be given in 2007–08.

[Anthropology 1138. Experiencing the Past - \(New Course\)](#)

Catalog Number: 9520

Joshua Wright

Half course (fall term). M., W., 3–4:30. EXAM GROUP: 8, 9

The visions of past reality that we see in museums and the media are rooted in archaeological interpretations of the past. This course will investigate the ways that these visions of the past are created. We will study and discuss the practice and culture of archaeological excavation and the reconstruction of monumental structures and ancient individuals, landscape archaeology, myths, museums, castles, megalithic monuments, television and film.



[Anthropology 1150 (formerly Anthropology 2063). Ancient Landscapes]

Catalog Number: 4736

Jason A. Ur

Half course (fall term). Hours to be arranged.

Archaeological approaches to settlement and land use at the regional scale. Issues will include settlement systems, agricultural and pastoral systems, the role of humans environmental change, and also the methods used to investigate them.

Note: Expected to be given in 2007–08.

Anthropology 1160. Introduction to the Yucatec Maya Language - (New Course)

Catalog Number: 4772

Marc U. Zender

Half course (fall term). M., W., 1:30–3. EXAM GROUP: 6, 7

An intensive introduction to the grammar, vocabulary and historical development of the Yucatec Maya language, still spoken by millions of speakers in Mexico and Belize, and with an extensive philological tradition stretching back to the early seventeenth century.

Anthropology 1165. Digging the Glyphs: Adventures in Decipherment - (New Course)

Catalog Number: 9906

Marc U. Zender

Half course (spring term). M., W., at 1. EXAM GROUP: 6

Focuses on the method and theory of archaeological decipherment. Major decipherments are studied in-depth (Egyptian hieroglyphs, the cuneiform scripts, Hittite/Luwian hieroglyphs, Linear B, Maya and Aztec glyphs), as are various undeciphered scripts (Linear A, Isthmian and Rongorongo) and a number of deciphered systems encoding extinct languages (Etruscan, Meroitic and Sumerian). Other topics include the origins, development, and sociopolitical uses of writing in the ancient world.

[Anthropology 1170. Mesoamerican Writing Systems]

Catalog Number: 3706

Marc U. Zender

Half course (spring term). M., W., at 1. EXAM GROUP: 6

This course presents a survey of selected writing systems from the Precolumbian civilizations of Mexico, Guatemala and Belize, detailing the results of recent decipherments and examining what historical writings can tell us about the past. Although all of the known writing systems of Mesoamerica will be covered, emphasis will be on the more historical scripts of this region (i.e., the Maya, Mixtec and Aztec scripts), specifically their origins, development and sociopolitical uses.

Note: Expected to be given in 2007–08.

Anthropology 1174 (formerly Anthropology 174). The Incas

Catalog Number: 5311

Gary Urton

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

An introduction to the archaeology of the Incas beginning with an overview of pre-Inca civilizations of Andean South America. Attempts to understand how the Inca integrated the



varied peoples and resources of the Andes into a unified empire. Ends with an overview of the destruction and transformation of Inka society and culture under Spanish colonialism. Studies Inka materials in the Peabody Museum collection.

Anthropology 1175 (formerly Anthropology 175). The Archaeology of Ethnicity

Catalog Number: 1022

Gary Urton

Half course (spring term). Tu., Th., 1:30–3. EXAM GROUP: 15, 16

Ethnic identity and conflict are among the most powerful processes and relations shaping the world we live in today. Questions addressed include: What can we understand about ethnic identity and relations in the prehistoric world on the basis of the archaeological record? For example, how might differences in material culture represent and reflect markers of ethnic identity? The Peabody Museum collections will provide materials for study and analysis.

[Anthropology 1177 (formerly Anthropology 177). South American Archaeology]

Catalog Number: 6996

Gary Urton

Half course (fall term). Hours to be arranged.

Provides an overview of Pre-Columbian civilizations on the continent of South America from the earliest record of human habitation to the time of the European invasion, in the sixteenth century. Focuses on the archaeology of the Amazon and Orinoco rivers, the Andes, and the Pacific coast of Peru and Chile. Extensive use will be made of the South American collections in the Peabody Museum.

Note: Expected to be given in 2007–08.

[Anthropology 1210. The Archaeology of Early China]

Catalog Number: 1793

Rowan K. Flad

Half course (fall term). Hours to be arranged.

A survey of the archaeology of China from the origins of humans during the Palaeolithic into the Bronze Age (ca. 220 BCE), with an emphasis on the origins of agriculture and the emergence of complex society during the late Neolithic and Early Bronze Age. We survey important archaeological finds from these periods and examine relevant issues in anthropological archaeology. Sections will involve the discussion and use of materials from the Peabody and Sackler Museums.

Note: Expected to be given in 2007–08.

[Anthropology 1220. The Record of the Material Culture: Lithics, Pottery, Metallurgy]

Catalog Number: 4504

Ofer Bar-Yosef, Rowan K. Flad, C. C. Lamberg-Karlovsky, and Jason A. Ur

Half course (spring term). Hours to be arranged.

Discussions and presentations of archaeological finds (stone, bone and wooden tools, hearths, site spatial organization, etc.) from the earliest Stone Age some 2.5 million years ago through the transition to Neolithic farming and herding communities.

Note: Expected to be given in 2007–08.



Primarily for Graduates

***Anthropology 2000. Osteoarchaeology Lab**

Catalog Number: 0363 Enrollment: Limited to 12.

Richard H. Meadow

Half course (fall term). W. 2–5 and 3 hours of laboratory weekly. EXAM GROUP: 7, 8, 9

Introduction to the osteoarchaeological analysis. Identification of animal bones and teeth from archaeological sites using comparative materials and their characterization employing visual, metric, and microscopic methods.

Note: Given in alternate years. Open to qualified undergraduates. Fulfills laboratory course requirement for archaeology graduate students.

[Anthropology 2010ar. Materials in Ancient Societies: Bone (Human Osteology)]

Catalog Number: 7163

C. C. Lamberg-Karlovsky

Half course (fall term). Hours to be arranged.

This course reviews in detail human skeleton anatomy and forensic methods for the study of biological and cultural features in ancient individuals and populations. Laboratory sessions involve team analysis of an archaeological mortuary sample.

Note: Expected to be given in 2007–08. Open to senior undergraduates with permission of instructor.

[Anthropology 2010br. Materials in Ancient Societies: Bone (Zooarchaeology)]

Catalog Number: 1753

C. C. Lamberg-Karlovsky

Half course (spring term). Hours to be arranged.

This course covers interpretive and methodological aspects of zooarchaeology, the study of animal remains from archaeological sites. Lectures explore case studies, while labs teach analytical methods, including tooth thin-section analysis.

Note: Expected to be given in 2007–08. Anthropology 2010ar is commonly taken before Anthropology 2010br.

***Anthropology 2020 (formerly Anthropology 1065). GIS and Spatial Analysis in Archaeology**

Catalog Number: 3729 Enrollment: Limited to 8.

Jason A. Ur

Half course (spring term). M., W., 4–6. EXAM GROUP: 9

An introduction to the GIS and remote sensing methods used by archaeologists to document and analyze datasets at the regional scale. This class will involve the hands-on use of maps, aerial photography, satellite imagery, digital terrain models and GPS-based observations to frame and approach archaeological research questions. Labs will use sample datasets from a variety of regions but students will be responsible for assembling a GIS database for their own region of interest.

[Anthropology 2050 (formerly Anthropology 252). Introduction to Maya Hieroglyphs]

Catalog Number: 3684



Marc U. Zender

Half course (spring term). Hours to be arranged.

Examines Mayan civilization through an intensive examination of its hieroglyphic writing system. Emphasizes recent advances in decipherment and in the understanding of the Classic Mayan language, highlighting the utility of textual data to archaeological interpretation.

Note: Expected to be given in 2007–08.

[Anthropology 2060. Holy War, the Aztec Empire, and the Spanish Conquest]

Catalog Number: 4170

David L. Carrasco (FAS, Divinity School)

Half course (fall term). Hours to be arranged.

This course focuses on the cultural constructions of “holy war” in the Aztec Empire and the Spanish conquest of Mexico. We utilize religious studies and archaeology to compare the religious dimensions of Aztec and Spanish holy warfare.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3839.

[*Anthropology 2070a (formerly *Anthropology 207). Archaeological Method and Theory: Seminar]

Catalog Number: 4634

C. C. Lamberg-Karlovsky

Half course (fall term). Hours to be arranged.

Examines historical development and philosophical basis of Anglo-American archaeological method and theory. Special attention given to current controversies including the processualist-postprocessualist debate and the future of archaeology in changing social and political climates.

Note: Expected to be given in 2007–08. Required of students in the Archaeology Program of Anthropology; open to other graduate students and advanced undergraduates with permission of instructor.

[Anthropology 2070b. Case Studies and Research Proposal Preparation]

Catalog Number: 4238

Noreen Tuross

Half course (spring term). Hours to be arranged.

Seminar for graduate students that will focus on grant and paper writing, and will also include selected case studies.

Note: Expected to be given in 2007–08. Anthropology 2070a is commonly taken before Anthropology 2070b, but is not a prerequisite. Required of students in the Archaeology Program of Anthropology; open to other graduate students and advanced undergraduates with permission of instructor.

[Anthropology 2090. The Archaeology of Culture Contact]

Catalog Number: 4951

Rowan K. Flad

Half course (spring term). Hours to be arranged.

An exploration of culture contact in archaeological contexts. Topics include trade (particularly trade diasporas), world-systems, ethnicity, shared material culture, and regional religious



traditions.

Note: Expected to be given in 2008–09.

[Anthropology 2115. Origins of Andean Complex Societies - \(New Course\)](#)

Catalog Number: 0723

Jeffrey Quilter

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

This class is an intensive study of the origins of complex societies in the ancient Andes, one of the great centers of "pristine civilization." It will concentrate on Peru and focus on the Middle Prececeramic to the beginnings of Chavin and the Early Horizon. The seminar will emphasize discussion based on readings and include class presentations and joint meetings with a similar class at Yale University.

[Anthropology 2175. The Inca Quipu]

Catalog Number: 0329

Gary Urton

Half course (spring term). Hours to be arranged.

An examination of the principal Inca record-keeping device. We read studies on quipu record keeping from Pre-Columbian through early colonial times, and study the quipus in the Peabody Museum.

Note: Expected to be given in 2007–08.

[Anthropology 2240. Archaeology of Production: Seminar]

Catalog Number: 8589

Rowan K. Flad

Half course (spring term). Hours to be arranged.

An exploration of production in archaeological contexts. Topics include specialization, craft production, production and power, the practice/performance of production, production and gender, ritualized production, and the production of memory.

Note: Expected to be given in 2007–08.

Cross-listed Courses

[Ancient Near East 105. History of the Ancient Near East: The Levant \(up to Alexander the Great\)](#)

[Ancient Near East 115. Archaeology of the Levant \(Syria-Palestine\)](#)

[Ancient Near East 117. Biblical Archaeology]

[Ancient Near East 118. Syro-Palestinian Pottery]

[*Ancient Near East 215r. Problems in the Archaeology of Bronze and Iron Age Levant: Seminar](#)

[Foreign Cultures 34. Mesoamerican Civilizations](#)

[*Freshman Seminar 44j. The Aztecs and Maya](#)

[Indian Studies 110. History of South Asia to 1200 CE]

[Science B-64. Feeding the World; Feeding Yourself](#)

[Social Analysis 50. Urban Revolutions: Archaeology and the Investigation of Early States](#)



Biological Anthropology

Primarily for Undergraduates

***Anthropology 97y. Sophomore Tutorial in Biological Anthropology**

Catalog Number: 3170

Daniel E. Lieberman and David Pilbeam

Half course (spring term). Hours to be arranged.

An introduction to the issues and methods of biological anthropology, including evolutionary theory and its application to humans. Focuses on the comparison of primate and human physiology and social behavior as ecological adaptations and their application to understanding human evolution. Weekly readings, discussions, and short writing assignments, with a final research paper and presentation.

Note: Required of and limited to biological anthropology concentrators.

For Undergraduates and Graduates

Please refer to the courses listed under Human Evolutionary Biology. Human Evolutionary Biology addresses why humans and primates are the way they are from an evolutionary perspective. It shares courses with Biological Anthropology within the Anthropology Concentration. Human Evolutionary Biology courses are open to concentrators in Biological Anthropology and other interested students.

Primarily for Graduates

Anthropology 2305. Advanced Topics in Human Evolutionary Biology - (New Course)

Catalog Number: 1009

Daniel E. Lieberman

Half course (spring term). Hours to be arranged.

Reading and discussion of topics in human evolutionary biology and paleoanthropology.

Anthropology 2310. Advanced Statistical Methods - (New Course)

Catalog Number: 2445

Peter T. Ellison

Half course (fall term). W., 10–12. EXAM GROUP: 3, 4

A survey of statistical methods used in biological anthropology and evolutionary biology.

Note: Intended for graduate students in biological anthropology. Open to others with permission of instructor.

Anthropology 2325. Topics in Genetics, Genomics and Evolution - (New Course)

Catalog Number: 3997

Maryellen Ruvolo

Half course (spring term). Hours to be arranged.

Reading and discussion of topics in genetics, genomics and evolution.



[*Anthropology 2330 (formerly *Anthropology 203). Human Genetic Diversity: Seminar]

Catalog Number: 0775

Maryellen Ruvolo

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2007–08. Limited to biological anthropology graduate students with a genetics background.

***Anthropology 2337r (formerly *Anthropology 237br). Advanced Laboratory Methods in Human Endocrinology**

Catalog Number: 5345

Susan F. Lipson

Half course (spring term). Hours to be arranged.

Note: Intended for students engaged in laboratory research on human endocrinology.

Anthropology 2350ar (formerly Anthropology 235ar). Laboratory Methods in Primate and Human Nutrition I

Catalog Number: 2187

Cheryl D. Knott

Half course (fall term). Hours to be arranged.

Independent laboratory study in the biochemical analysis of plant and animal foods, and of human and animal digestive physiology and feeding behavior.

Anthropology 2350br (formerly Anthropology 235br). Laboratory Methods in Primate and Human Nutrition II

Catalog Number: 3292

Cheryl D. Knott

Half course (spring term). Hours to be arranged.

Independent laboratory study in the biochemical analysis of plant and animal foods, and of human and animal digestive physiology and feeding behavior.

Anthropology 2360r (formerly Anthropology 206r). Topics in Paleolithic Archaeology and Paleoanthropology

Catalog Number: 8630

Ofer Bar-Yosef and David Pilbeam

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Selected topics in Old World paleoanthropology. Topics include *Homo erectus* and modern human dispersions, Eurasian colonization, survival strategies of the Neanderthals and their demise, radiometric techniques, transition to Upper Paleolithic, strategies of past foragers.

Anthropology 2390ar (formerly Anthropology 239ar). Advanced Laboratory Methods in Primate Endocrinology I

Catalog Number: 9945

Cheryl D. Knott

Half course (fall term). Hours to be arranged.

Intended for students engaged in laboratory research on non-human primate endocrinology.



[Anthropology 2390br \(formerly Anthropology 239br\). Advanced Laboratory Methods in Primate Endocrinology II](#)

Catalog Number: 8585

Cheryl D. Knott

Half course (spring term). Hours to be arranged.

Intended for students engaged in laboratory research on non-human primate endocrinology.

[Anthropology 2430 (formerly Anthropology 229). Behavioral Biology Seminar]

Catalog Number: 3777

Richard W. Wrangham

Half course (fall term). Hours to be arranged.

Reading and discussion of current research in behavioral biology of primates (including humans) in parallel with Science B-29.

Note: Expected to be given in 2007–08. Required of entering graduate students in biological anthropology. Open to other graduate students with permission of instructor. Limited to graduate students. Given in alternate years.

[Anthropology 2442. Primate and Human Juveniles - \(New Course\)](#)

Catalog Number: 7176

Cheryl D. Knott

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

An examination of the juvenile and adolescent period in primates and humans. Considered are life history, anatomical and social development, puberty, gender differences, ethnopediatrics, parenting, weaning and constraint of juveniles on adult behavior and social systems.

Note: Graduate students or with permission of instructor.

[*Anthropology 2595ar \(formerly *Anthropology 295ar\). Laboratory Methods in Evolutionary Genetics](#)

Catalog Number: 7934

Maryellen Ruvolo

Half course (fall term). Hours to be arranged.

Note: Limited to graduate students and undergraduates conducting senior thesis research.

[*Anthropology 2595br \(formerly *Anthropology 295br\). Laboratory Methods in Evolutionary Genetics](#)

Catalog Number: 6468

Maryellen Ruvolo

Half course (spring term). Hours to be arranged.

Note: Limited to graduate students and undergraduates conducting senior thesis research.

Cross-listed Courses

[*Freshman Seminar 21j. Human Evolution](#)

[*Freshman Seminar 26q. Testosterone and Human Behavior - \(New Course\)](#)

[Life Sciences 1b. An Integrated Introduction to the Life Sciences: Genetics, Genomics, and Evolution](#)



MCB 205 (formerly Biological Sciences 205). Introduction to Graduate Study in Genetics and Genomics

***OEB 121a. Advanced Structure and Physiology of the Vertebrates**

Quantitative Reasoning 34. Counting People: Demography and Human Affairs

Science B-27. Human Evolution

Science B-29. Evolution of Human Nature

Social Anthropology

Primarily for Undergraduates

***Anthropology 97z. Sophomore Tutorial in Social Anthropology**

Catalog Number: 5832

Smita Lahiri

Half course (spring term). Hours to be arranged. EXAM GROUP: 5

The sophomore tutorial provides an in-depth exploration and critique of major theoretical approaches in social and cultural anthropology, the historical context of their emergence, and their contribution and relation to the discipline as a whole. Seminar members will have a chance to read and discuss selected works by key theorists, and to see how their ideas have shaped ethnographic description and analysis.

Note: Required of all concentrators.

***Anthropology 98z. Junior Tutorial in Social Anthropology**

Catalog Number: 4503

Mary M. Steedly

Half course (fall term). Hours to be arranged.

Junior tutorials in Social Anthropology explore critical theoretical issues related to a single ethnographic region (eg. South Asia, Africa, Latin America). The issues and areas change from year to year, but the purpose remains the same: to give students a chance to grapple with advanced readings and to experience the ways that ideas and theories can be applied and critically analyzed in ethnographic studies.

For Undergraduates and Graduates

Anthropology 1600 (formerly Anthropology 110). Introduction to Social Anthropology

Catalog Number: 8296

Manduhai Buyandelgeriyn (fall term) and Sarah E. Wagner (spring term)

Half course (fall term; repeated spring term). M., W., (F.), at 10. EXAM GROUP: 3

The course offers an introductory exploration of anthropological approaches to the diversity of human experiences, cultures, language, and history. Lecturers, readings, and films focus on a wide range of theoretical perspectives and social/cultural topics, including power and hierarchy, gender, kinship, violence, popular culture, medical and healing systems, religion, ideology, and economic systems. Through exploring a variety of different topics from colonialism to computerization, we will bring anthropological lenses to bear on understanding contemporary world affairs.

Note: Open to freshmen.



Anthropology 1605. Law and Anthropology - (New Course)

Catalog Number: 9631

Asad A. Ahmed

Half course (fall term). M., W., 2–3:30. EXAM GROUP: 7, 8

This course is designed to introduce students to the anthropological study of law and society. We begin by reading critical theoretical approaches before turning to classic ethnographies that sought to understand legal precepts and dispute resolution in non-modern societies. We then examine the role of the colonial state in forging legal regimes and constituting criminality. Finally we read contemporary ethnographies that examine how law and culture interact to construct and normalize racial and gender identities.

Note: Limited to undergraduate students only.

***Anthropology 1610. Ethnographic Research Methods**

Catalog Number: 2622

Sonja B. Plesset

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Introduction to methodology for contemporary ethnographic field research in anthropology. Students complete assigned and independent research projects relying on a variety of ethnographic methods, under supervision of department faculty.

Note: Priority to students preparing for senior thesis research. Open to undergraduates only.

Anthropology 1618. Human Rights: Themes at the Intersection of Anthropology and Law - (New Course)

Catalog Number: 6969 Enrollment: Limited to 20.

Theodore Macdonald

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Interdisciplinary (law/anthropology) seminar explores human rights from anthropological and international legal perspectives, and considers the roles of each discipline. Introduces formal human rights principles and norms. Interprets controversial rights cases - genocide (Darfur), American exceptionalism (Guantanamo/Abu Garaib), and natural resource disputes (Latin America and Africa). Emphasizes changing rights/roles of international organizations, non-State actors, and groups - e.g., UN, NGOs, guerillas, transnational corporations, minorities, and indigenous peoples. Readings balance case studies with legal, political, and anthropological theory.

Anthropology 1620 (formerly Anthropology 123). Environment and Environmentalism: Anthropological Perspectives: Conference Course

Catalog Number: 0889 Enrollment: Limited to 25.

Pauline E. Peters (Kennedy School)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

An anthropological exploration of current debates on environment and environmentalism. Through readings on a range of countries and peoples, considers the following themes: the ways in which different groups in different times and places produce cultural constructions of nature, landscape, wilderness, and environment; contestations over the use, knowledge, and meanings of natural resources; movements between the culturalization of nature and the naturalization of



culture; environmentalism as discourse; environmental social movements and cults; landscape as commodity.

Anthropology 1625. Global Food Systems: Research Seminar - (New Course)

Catalog Number: 7806

James L. Watson

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Undergraduate research seminar focusing on global food systems and commodity chains. Each student will work on one category of food (examples include maize, pork, beef, fish, rice, GMO soybeans, chocolate, coffee, sugar, etc.). Requirements: class presentation, regular seminar participation, and a research paper.

Note: Limited to undergraduate students.

Prerequisite: Preference will be given to students who have taken Social Analysis 70, or equivalent courses.

[Anthropology 1626. Anthropology and History of South Asia] - (New Course)

Catalog Number: 2624

Asad A. Ahmed

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

This introductory course is divided into two parts. First, we will focus on the various modalities through which colonial power operated and colonial knowledges were constructed. We then shift to the colonized and examine the emergence of communalism and nationalism before exploring the seminal event of Partition. In the second part of the course, we read subaltern historiography and recent ethnographies on the transformation of urban life resulting from globalization and new media.

Note: Expected to be given in 2007–08. Limited to undergraduate students only.

[Anthropology 1630 (formerly Anthropology 132). Anthropology of Religion]

Catalog Number: 9598

Smita Lahiri

Half course (fall term). Hours to be arranged.

From its inception as a discipline addressing non-Western cultures, anthropology has examined the religious beliefs and practices of people who are “not us.” Yet the cross-cultural study of phenomena such as “ritual,” “sacrifice,” and the “sacred” also renders absolute distinctions between “us” and “them” untenable. At a time when religion is in resurgence from the Americas to Asia, Africa, and the Middle East, we survey the contribution of anthropology to understanding its complexity and resilience.

Note: Expected to be given in 2007–08.

Anthropology 1635. Human Rights and Social Justice - (New Course)

Catalog Number: 9261

Kimberly Theidon

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Studies the theory and practice of human rights. Themes to be explored include: anthropology and human rights; the emergence of an international human rights regime; indigenous peoples, autonomy and self-determination; human rights and international humanitarian law during times



of war; the rights of children; the thorny question of humanitarian intervention; and the role of academic-activists in the defense of human rights.

Anthropology 1640 (formerly Anthropology 104). Language and Culture

Catalog Number: 5844

Steven C. Caton

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

Examines the ways forms of speaking can constitute cultural life and vice versa. A comprehensive overview of linguistic theories of structuralism and their criticism will form the basis on which to proceed to an ethnography of speaking in different societies. Topics will include: the structuralism of Ferdinand de Saussure, the Sapir-Whorf Relativity Hypothesis and its modern evocations, pragmatics, performativity, Bakhtinian dialogicality, and poetry and poetics.

Note: No previous knowledge of linguistics or of anthropology is required.

[Anthropology 1650 (formerly Anthropology 159). Museums and Representations: Seminar]

Catalog Number: 4185 Enrollment: Limited to 12.

Rubie S. Watson

Half course (fall term). Hours to be arranged.

Treats the ethnographic museum as a focus for historical and cultural study. Through readings, research papers, and exhibit proposals, students explore the history of museums and collecting, changing exhibit styles, museum ethics and challenges to traditional museum practices. This is a research seminar for undergraduates and introduces students to research methods involving primary source materials, including museum artifacts and records.

Note: Expected to be given in 2007–08.

Anthropology 1655. Politics of Nature - (New Course)

Catalog Number: 0710

Ajantha Subramanian

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Explores the intersections of ecology, history, and politics with a focus on the social construction of nature, politics of natural resource use, centrality of resource control to the consolidation of empires and nations, and the making of post-industrial natures. Some of the theoretical frameworks considered include: political ecology, Marxist geography, development anthropology, and environmental history. Some of the political trends addressed include: offshore extraction, nuclearization, legal pluralism, indigenous rights, wilderness preservation, and global environmentalism.

[Anthropology 1665. Humans and Animals] - (New Course)

Catalog Number: 7922

Lucien G. Taylor

Half course (spring term). Hours to be arranged.

Seminar on cultural and political ecology, concentrating on the spectrum of relationships between humans and animals, both wild and domesticated, that exist across cultures and throughout history. Attention will be on behavioral, material, affective, symbolic, and ideological



aspects of human-animal relationships, as well as both the animalic nature of humanity and humanity's inclination to anthropomorphize animality. We shall consider anthropological, scientific, and literary texts, as well as artistic iconography and works of cinema

Note: Expected to be given in 2007–08.

***Anthropology 1675. Global Islam**

Catalog Number: 9136 Enrollment: Limited to 20.

Jocelyne Cesari (Divinity School)

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

The course will analyze the emergence, development, and increasing influence of contemporary forms of Islamic engagement and thinking such as the Muslim Brothers, Al Qaeda, or Sufi orders that are not limited to a particular country or ethnic/cultural group. The capacity of either conflict or peace carried by these movements at the international level will also be discussed.

Note: Offered jointly with the Divinity School as 3880.

[Anthropology 1680 (formerly Anthropology 133). From Lost Eden to Perfumed Nightmare: Themes in the Anthropology of the Philippines]

Catalog Number: 9492

Smita Lahiri

Half course (spring term). Hours to be arranged.

As a Southeast Asian nation with a history of double colonization by Spain and the US, the Philippines eludes easy categorization within anthropology's regionalist traditions. We use the Philippines to probe some of anthropology's blind spots, and as a springboard for analyzing hierarchy, political culture, religion, and performance through comparisons within and beyond Southeast Asia. Recent topical concerns in anthropology, such as nationalism, marginality, and globalization, will also be explored using Philippine materials.

Note: Expected to be given in 2007–08.

[Anthropology 1685 (formerly Anthropology 121). Humans, Aliens, and Future Home Worlds: An Anthropologist Looks at Science Fiction]

Catalog Number: 2300

Paulette G. Curtis

Half course (spring term). Hours to be arranged.

Science Fiction is an entertaining and rich genre in which to examine attitudes, ideals, mores and desires concerning culture and society. Through American SF stories, films, and television series, the course will examine the following themes: The Alien; Galactic Military Battles and Adventures; Cyborgs and Other Near-Humans; 'Alternative' SF Storytellers; Social Science Fiction; Utopic and Paranoid TV Visions; SF Fandom.

Note: Expected to be given in 2007–08.

Anthropology 1690 (formerly Anthropology 178). Consuming Passions: Cultures of Materialism in Asia

Catalog Number: 1201

Smita Lahiri

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

How do objects tell the story of people's lives? How do historical relations of exchange



constitute inter-community boundaries and communal identities? What can we read into the explosion of new consumer desires, opportunities and fantasies currently seen in the Asia-Pacific region? Anthropological ideas about “material culture” used to work through contemporary formations of national, gender, sexual, and ethnic identity, primarily but not exclusively in South and Southeast Asia.

[Anthropology 1695. Islam in Contemporary Indonesia](#)

Catalog Number: 7209

James J. Fox (The Australian National University)

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Indonesia is the world’s largest Islamic country and its traditions of Islam are diverse. The past half century has seen a remarkable transformation of these traditions that has drawn on influences from much of the Islamic world. This course will examine developments in contemporary Islam in Indonesia with particular reference to the recent work of Indonesian and Australian researchers.

[Anthropology 1698. Shamanism and Modernity - \(New Course\)](#)

Catalog Number: 5369

Manduhai Buyandelgeriyn

Half course (fall term). W., 4–6. EXAM GROUP: 9

The course uses an ethnographic perspective to explore shamanism and similar inspirational practices known as spirit possession and mediumship in different world cultures. Shamanisms have evolved and transformed throughout colonial interventions, modernity projects, Buddhist and Christian influences, socialism, and market economies. Students will examine these practices and their meanings in specific contexts. The readings include studies from East and South-East Asia, Mongolia, Siberia, the Americas, Africa, and migrant communities in the U.S.

[Anthropology 1705. From Surro-Moms to Donor-Dads: Fashioning Family in the 21st Century - \(New Course\)](#)

Catalog Number: 9391

Sonja B. Plessset

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

As new technological processes become everyday solutions to the "problem" posed by infertility, new questions arise about family and what it means to be related by blood, by law, and by choice. Anthropological theories on gender and kinship are used to examine contemporary accounts of surrogacy, adoption, same sex marriage, sperm and egg donation, divorce, and family function/dysfunction.

[Anthropology 1710. Memory Politics: Truth, Justice, Redress]

Catalog Number: 3793

Kimberly Theidon

Half course (fall term). Hours to be arranged.

An engagement with an interdisciplinary set of readings that analyze the relationship between memory and social reconciliation, and the role that theories of truth, justice, and redress play in this equation. We analyze truth commissions, forms of justice, debates regarding reparations, and the points of conjuncture and disjuncture between national discourses and subaltern concepts of



truth, justice, and reconciliation. Case studies include Rwanda, South Africa, Japan, Guatemala, and Peru.

Note: Expected to be given in 2007–08.

[Anthropology 1720 (formerly Anthropology 120). Anthropology, Cultural Studies, and Film]

Catalog Number: 1522

Steven C. Caton

Half course (spring term). Hours to be arranged.

Focuses on feature-length commercial film (rather than ethnographic or documentary film) and some of the culture industries (Hollywood and Iran) that produce them. What might an anthropology of film look like? Film theory and cultural studies will be examined for their contributions to the answer to that question. Topics include the culture industry, critical theory, the ethnographic gaze, media studies, modernity, nationalism, and transnationalism.

Note: Expected to be given in 2007–08. Graduate students may enroll and make arrangements for specialized readings and assignments.

Anthropology 1734. Forced to Flee: Refugees, Asylum Seekers, and the Borders They Cross - (New Course)

Catalog Number: 8268

Sarah E. Wagner

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

What does it mean to be a refugee? Last year 20.8 million people were living as forced migrants - displaced persons uprooted from their homes and often their home countries. This course explores the phenomenon of forced migration from the perspective of the people in flight, sending and host states, and the so-called international refugee regime. Studying refugee populations from eastern Africa, the Balkans, and Cambodia, we will address questions of home and exile, violence, loss and recovery, particularly in the context of post-9/11 U.S. and European Union foreign policy.

Anthropology 1738. Biotechnology and the State - (New Course)

Catalog Number: 0652

Sarah E. Wagner

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This course examines the relationship between states and their citizens through the lens of biotechnology, and in particular technologies of identification. Anthropological ideas about "identity" and "being" help us evaluate the import of technologies such as DNA testing and biometrics for people in their everyday lives - from their cross-border movements, expectations of privacy, access to social services, even postmortem identification.

Anthropology 1746. Imperialism and Islamism: Seminar - (New Course)

Catalog Number: 7889 Enrollment: Limited to 20.

Engseng Ho

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Does Islam have a transnational past, and what relations did European empires have to that past? We develop answers to these questions, reading case studies and original source material. These



provide perspectives on the current conflict between the U.S. and its Islamist opponents, and enable critical engagement with current debates on the nature of global Islamist politics and on the U.S. as an imperial power.

[Anthropology 1750. Syncretism: Seminar]

Catalog Number: 3633

J. Lorand Matory

Half course (spring term). Hours to be arranged.

We address hotly debated methods in the study of African-American lifeways. Syncretism is the convergence of practices and beliefs of diverse origins, culminating in the synthesis of new cultural forms, such as Jazz and Cuban *Santeria*. We examine the cultural prefigurations and political conditions that determine local syntheses and complicate conventional models of cultural retention and purity, acculturation, assimilation, pluralism, multiculturalism, hybridity, and *mestizaje*.

Note: Expected to be given in 2007–08.

[Anthropology 1760 (formerly Anthropology 153). Nationalism and Bureaucracy]

Catalog Number: 0291 Enrollment: Limited to 20.

Michael Herzfeld

Half course (spring term). Hours to be arranged.

Explores the ideological and practical foundations and effects of nationalism. Particular attention focused on how nationalism is reproduced by bureaucrats in daily practice, and how rituals of national identity are organized and invested with meaning. Cases include systems of taxation, historic conservation, health care, and immigration. This comparative course covers several different countries and systems, and is designed to highlight the contribution of ethnography to the analysis of national bureaucracies.

Note: Expected to be given in 2007–08.

[Anthropology 1770 (formerly Anthropology 169). Greece and Rome, the Modern Version]

Catalog Number: 1883

Michael Herzfeld

Half course (spring term). Hours to be arranged.

Classical Greece and Rome are usually seen as the twin Classical founts of “Western Civilization.” We examine the cultural and political implications of that premise through the lens of the modern cultures of both places and its consequences for their present inhabitants, as well as through uses made of the ancient and more recent past both there and around the world. Readings include ethnographies, historical, and political writings.

Note: Expected to be given in 2007–08.

[Anthropology 1790. Violence in the Andes: Coca, Conflict, and Control]

Catalog Number: 2224

Kimberly Theidon

Half course (spring term). Hours to be arranged.

In this course we address the politics of coca and conflict in the Andean Region. We will engage an interdisciplinary set of readings that allow us to examine the structures of conflict and historicize the current violence in the region, as well as explore the complex dynamics of coca



production, counter-narcotics and counter-insurgency efforts in the Andes. We will address the rise of indigenous movements and their potential to redefine political agendas in Colombia, Ecuador, Peru and Bolivia.

Note: Expected to be given in 2007–08.

[Anthropology 1795. The Politics of Language and Identity in Latin America - \(New Course\)](#)

Catalog Number: 7265

Catalina Laserna

Half course (spring term). M., W., at 11 and a required 1.5-hour section weekly. EXAM GROUP: 4

Introduces theory and research in linguistic anthropology in the context of ethnographic research, film and popular music, from cumbia to hip-hop in Latin America. Examines how the multiplicity and contention of language ideologies play out in the everyday practices. What are the social, linguistic and discursive means by which social identity is constructed? How do ways of speaking, such as border talk and code switching, link face to face communities to the national and transnational spheres? Texts include regional ethnographies and documentaries from the region as well as the literature in the burgeoning new field of linguistic anthropology.

[Anthropology 1820. Japan in the Ethnographic Gaze: Seminar]

Catalog Number: 1267 Enrollment: Limited to 15.

Theodore C. Bestor

Half course (fall term). Hours to be arranged.

We examine ethnographies of Japan from the 1930s to the present to illuminate how Japan, as a cultural and social “whole,” has been ethnographically problematized and re-problematized in different eras, as different theoretical interests—such as culture-and-personality, modernization, and tradition—have been ascendant.

Note: Expected to be given in 2007–08.

[Anthropology 1840 (formerly Anthropology 183). Comparative Liberation Theologies]

Catalog Number: 6458

Ajantha Subramanian

Half course (fall term). Hours to be arranged.

Considers the role of religion as an idiom of social critique and a vehicle of social transformation. Offers a comparative perspective on religious consciousness, practice, and politics by comparing the grounds for the rise of faith-based social movements in different cultural and historical contexts. Cases include: the mass conversion of Indian low castes to Christianity and Buddhism, Jamaican Rastafarianism, Catholic liberation theology in El Salvador, and the Islamic Revolution in Iran.

Note: Expected to be given in 2007–08.

[*Anthropology 1850. Ethnography as Practice and Genre](#)

Catalog Number: 1686 Enrollment: Limited to 30.

Mary M. Steedly

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

For sociocultural anthropologists, ethnography is both a way of studying human communities and a way of writing about them. Ethnography fieldwork raises issues of participation, power,



and perspective; cultural relativism; the nature of evidence; and the ethics of engagement. Writing ethnography highlights other issues, such as the politics of representing “others.” This course explores these and related issues through close reading and intensive discussion of selected texts.

Prerequisite: Open to graduate students with permission of instructor.

[Anthropology 1860 (formerly Anthropology 136). Colonial Departures]

Catalog Number: 9540

Mary M. Steedly

Half course (fall term). Hours to be arranged.

Following World War II, the fabric of European empire in Asia and Africa began to unravel. Some through revolutionary violence, others through peaceful negotiation, new nations declared themselves free of colonial domination. We examine colonialism’s 20th century heyday, decline, and aftermath from an anthropological perspective, giving particular attention to local decolonizing practices and to the many forms the postcolonial condition may take.

Note: Expected to be given in 2008–09.

[Anthropology 1870. Island Southeast Asia: Circulating Cultures]

Catalog Number: 5149

Mary M. Steedly

Half course (fall term). Hours to be arranged.

An introduction to island Southeast Asia (Indonesia, Philippines, Malaysia, Singapore, Brunei) emphasizing circulations of people, goods, ideas, beliefs, wealth, power, and images. Island Southeast Asia has a long history of involvement in global networks of economic distribution, exchange and appropriation. We will focus on cultural dimensions of such circulations, with topics to include urban gridlock, gay slang, terrorism, theme parks, female labor, political crisis, new media, democratization, and the lifestyles of the rich and famous.

Note: Expected to be given in 2007–08.

[Anthropology 1880. Chinese Culture and Society]

Catalog Number: 5917

James L. Watson

Half course (fall term). Hours to be arranged.

A detailed examination of Chinese social institutions, with emphasis on life in the countryside. Topics include: family and kinship organization, marriage and inheritance patterns, ritual and local religion, pre- and post-socialist cultural systems, and the effects of economic reforms on local life.

Note: Expected to be given in 2007–08.

***Anthropology 1881. China After Mao: Seminar - (New Course)**

Catalog Number: 4642 Enrollment: Limited to 12.

Rubie S. Watson

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

New work on the anthropology of China will be the focus of this course. Special attention will be given to issues of: nationalism, consumption and globalization, impact of the one-child policy, gender inequality, changing family relations, individualism, and private lives.



Anthropology 1980 (formerly Anthropology 168). Anthropology at Home: War and the US

Catalog Number: 2145

Paulette G. Curtis

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

This course will examine war from an anthropological and ethnographic perspective. How soldiers experience it, militaries mobilize to fight it, societies represent and commemorate it, and finally, anthropologists and other cultural (hi)storytellers analyze and represent it will concern this seminar. The modern, contemporary US and its military (World War II to Desert Storm) is the focus.

Primarily for Graduates

[Anthropology 2620 (formerly Anthropology 214). Global Christianities]

Catalog Number: 7267

Smita Lahiri

Half course (spring term). Hours to be arranged.

Examines Christianity's global dissemination through historical and ethnographic texts. Develops a comparative perspective on Christianity's global forms, including Protestant evangelicalisms, "folk" Catholicisms, and heretical offshoots.

Note: Expected to be given in 2008–09.

[*Anthropology 2626 (formerly *Anthropology 226t). Research Design]

Catalog Number: 9193 Enrollment: Limited to 12.

Theodore C. Bestor

Half course (spring term). Hours to be arranged.

Seminar focuses on weekly writing assignments leading to complete dissertation research proposals; defining theoretical and ethnographic contexts of research problem; reviewing literature; explaining site selection, methodology, timetable, human subjects protection; preparing budget; identifying grant sources.

Note: Expected to be given in 2007–08. Limited to doctoral candidates, with preference given to advanced students in Anthropology.

[Anthropology 2630. Power, Belief, and Practice: Topics in the Anthropology of Religion]

Catalog Number: 1620

Smita Lahiri

Half course (fall term). Hours to be arranged.

Develops a critique of religion's place in anthropological theory. Recuperates valuable legacies from classic anthropology and conjoins them with insights from social and literary theory for analyzing contemporary formations of belief, practice, and power.

Note: Expected to be given in 2007–08. Limited to graduate students, who will also be expected to attend all Anthropology 1630 lectures.

***Anthropology 2635. Image/Media/Publics: Seminar - (New Course)**

Catalog Number: 9515 Enrollment: Limited to 15.

Mary M. Steedly

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7



Explores the relations among technologies of image production and circulation, the nature and intensity of the circulating image, and the generation of publics and counter-publics. Questions of scale, mediation, publicity, and mobilization will be considered.

Note: Open to advanced undergraduates with permission of instructor.

[Anthropology 2636. Ethnography of the State] - (New Course)

Catalog Number: 9299

Asad A. Ahmed

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

This course introduces anthropological theory and ethnographic descriptions of the state. Following recent anthropological inquiry we seek to rethink the state, and thereby domination, authority and resistance, by attending to state practices, rituals and representations.

Note: Expected to be given in 2007–08. Open to undergraduate students with permission of the instructor.

[Anthropology 2640. Interventions: Ethics, Logics, Intentions]

Catalog Number: 3237

Kimberly Theidon

Half course (spring term). Hours to be arranged.

We trace the rise of the humanitarian narrative and examine how humanitarianism, in conjunction with other keywords such as crisis, emergency, and intervention, has become one of the organizing categories of political action and order.

Note: Expected to be given in 2007–08.

[Anthropology 2645. Reconfiguring Regimes: Power, Law and Governance - \(New Course\)](#)

Catalog Number: 9925

Kimberly Theidon

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Studies changing concepts of law, power and governance within contemporary global politics. Combines theoretical readings with ethnographic inquiries of the state, the legal, the magical, and the just.

[*Anthropology 2650a \(formerly *Anthropology 205a\). History and Theory of Social Anthropology: Proseminar](#)

Catalog Number: 1752

Michael Herzfeld

Half course (fall term). W., 3–6. EXAM GROUP: 8, 9

A critical review of the major theoretical approaches in social anthropology.

Note: Required of candidates for the PhD in Social Anthropology. Limited to, and aimed at, doctoral candidates. Not open to undergraduates.

[*Anthropology 2650b \(formerly Anthropology 205b\). History and Theory of Social Anthropology: Proseminar](#)

Catalog Number: 7971

Steven C. Caton

Half course (spring term). W., 3–6. EXAM GROUP: 8, 9



Continuation of Anthropology 205a.

Note: Limited to, and aimed at, doctoral candidates. Not open to undergraduates.

Anthropology 2655. The Normal and the Abnormal - (New Course)

Catalog Number: 1057

Arthur Kleinman and Charles E. Rosenberg

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

We examine case studies and theoretical readings from history, cultural anthropology, and social theory, to compare notions of the normal and abnormal. We ask how do norms bridge the moral, the political, and the body.

Note: Open to undergraduates with the permission of the instructor. May not be taken concurrently with History of Science 258.

Anthropology 2660 (formerly Anthropology 221). The Anthropology of Knowledge: Seminar

Catalog Number: 7070

Michael Herzfeld

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Comparative exploration of local epistemologies from craft apprentices and skilled manual workers to schoolchildren and scientists, emphasizing the embodiment, inculcation, and transmission of practical knowledge and the relationships among cosmology, social context, and pragmatic understanding.

Anthropology 2665. Comparative Austronesian Studies

Catalog Number: 0217

James J. Fox (The Australian National University)

Half course (fall term). Th., 4–6. EXAM GROUP: 18

This course, based on a program at the Australian National University, combines research perspectives from anthropology, linguistics, and archaeology to develop a framework for the study of the diverse populations of a major language family.

Anthropology 2675. Secularism, Religion, and Nation in Modern South Asia - (New Course)

Catalog Number: 2639

Asad A. Ahmed

Half course (spring term). Th., 4–6. EXAM GROUP: 18

This course attempts to understand the recent successes of religio-political movements in South Asia. This involves both a theoretical interrogation and genealogy of religion, nationalism, and secularism as well as attention to their historical elaboration.

Note: Open to undergraduate students with permission of instructor.

Anthropology 2680 (formerly Anthropology 263). Globalization and Culture

Catalog Number: 5127

James L. Watson

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Examines recent theories of transnationalism and globalism, with emphasis on popular culture



(music, TV, entertainment, food systems, etc.). Focus on debates regarding cultural imperialism and the effects of transnational corporations on “local” cultures.

Anthropology 2690. Middle East Ethnography: Discourse, Politics, and Culture - (New Course)

Catalog Number: 8056 Enrollment: Limited to 18.

Steven C. Caton

Half course (spring term). Th., 3–5:30. EXAM GROUP: 17, 18

The discursive construction of culture and its complex politics are examined in a wide range of ethnographies that have been written recently on countries in the Middle East, including Lebanon, Jordan, Israel/Palestine, Egypt, Morocco, and Yemen. Among the theoretical topics to be considered are orientalism, colonialism and post-colonialism, nationalism, self, gender, and tribalism.

Prerequisite: Anthropology 1600 for undergraduate students; Anthropology 2650a and Anthropology 2650b for graduate students.

Anthropology 2704. Linguistic Pragmatics and Cultural Analysis in Anthropology

Catalog Number: 4411

Steven C. Caton

Half course (fall term). Th., 5–7 p.m. EXAM GROUP: 18

A theory of linguistic pragmatics (Peirce, Benveniste, etc.) will be developed from a critique of structuralism (Saussure) whose relevance to the analysis of “culture” will be illustrated through ethnographies of language.

Note: Limited to graduate students, who will also be expected to attend all Anthropology 1640 lectures.

[Anthropology 2705. Political Economy in Anthropology] - (New Course)

Catalog Number: 9582

Engseng Ho

Half course (spring term). Hours to be arranged.

Course examines how economic facts are embedded in larger social contexts. Ethnographies and theoretical perspectives provided: classical political economy, neoclassical/formalist economics and its substantivist/institutionalist rivals, Marxism, development studies, world systems, cultural production, and gift exchange.

Note: Expected to be given in 2007–08.

[Anthropology 2710 (formerly Anthropology 210). Anthropology of Events]

Catalog Number: 3939

Steven C. Caton

Half course (spring term). Hours to be arranged.

This seminar investigates the significance of events in everyday life. What are events? Why are they important? How can anthropology represent or narrativize them? Readings are drawn from anthropology, history, philosophy, and film theory.

Note: Expected to be given in 2007–08.



[Anthropology 2740 (formerly Anthropology 245). Culture and Mental Illness]

Catalog Number: 6013

Byron J. Good (Medical School)

Half course (fall term). Hours to be arranged.

Reviews the figure of mental illness in Western thought, then focuses on cross-cultural studies of psychopathology: culture and diagnosis; cultural influences on depression, schizophrenia, and dissociation; madness in non-European healing systems; transnational aspects of psychiatry.

Note: Expected to be given in 2007–08.

[Anthropology 2750 (formerly Anthropology 250). Local Biologies: Perspectives on the Interaction Between Culture and Biology]

Catalog Number: 8267

Arthur Kleinman

Half course (spring term). Hours to be arranged.

Reviews the variety of anthropological perspectives on the interactions between culture and biology. Topics include mind-brain-society interaction in pain; cross-cultural studies of menopause; sociosomatics of depression; the new genetics and eugenics; research on stress and trauma.

Note: Expected to be given in 2008–09. Open to advanced undergraduates with permission of instructor.

[Anthropology 2780 \(formerly Anthropology 283\). Culture and Citizenship](#)

Catalog Number: 4769

Ajantha Subramanian

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Considers the dynamics of differentiated citizenship in postcolonial nation-states. Challenges the concept of the abstract citizen by tracing the ways that race, religion, region, and language have mediated particular histories of citizenship.

Note: Limited to graduate students.

[Anthropology 2785. Theories of Subjectivity in Current Anthropology]

Catalog Number: 1995

Byron J. Good (Medical School)

Half course (spring term). Hours to be arranged.

Theoretical positions and anthropological debates concerning subjectivity. Freud, Lacan, Butler, Agamben, Zizek, Foucault, and Mbembe read alongside ethnographic texts on violence, suffering, governmentality, and the state.

Note: Expected to be given in 2007–08.

[*Anthropology 2810r. Research Seminar on the Middle East and Islamic Frontiers](#)

Catalog Number: 1690

Engseng Ho

Half course (spring term). Tu., 5:30–7:30 pm. EXAM GROUP: 18

Seminar for doctoral students exploring ways of integrating social scientific, humanistic, and transregional approaches in their writing projects. Shared regional knowledge will provide a platform for advanced theoretical and methodological explorations.



[Anthropology 2830 (formerly Anthropology 223). Mobility]

Catalog Number: 6998

Engseng Ho

Half course (spring term). Hours to be arranged.

Seminar explores theories (e.g. Locke on portable property), vehicles (boats), travelers (pirates, pilgrims, migrants), media (books, money, gravestones, genealogies) to recognize the phenomenon of mobility and its consequences. Emphasizes external rather than internal social relations.

Note: Expected to be given in 2007–08.

***Anthropology 2835. Sensory Ethnography I**

Catalog Number: 7583 Enrollment: Limited to 10.

Rebecca Baron

Half course (spring term). Hours to be arranged.

First half of a year-long sequence in which students apply media anthropological theory and conduct ethnography using film, video, sound, and/or still photography.

Note: Limited to graduate students, who must also attend all VES 157a classes. Emphasis is on pre-production and production in the spring, and on post-production in the fall. Interview with instructor and teaching assistant required for admission.

***Anthropology 2836. Sensory Ethnography II: Studio Course - (New Course)**

Catalog Number: 6213 Enrollment: Limited to 10.

Lucien G. Taylor

Half course (fall term). Hours to be arranged.

Second half of a year-long sequence in which students apply media anthropological theory and conduct ethnography using film, video, sound, still photography, and/or hypermedia.

Note: Limited to graduate students, who must also attend all VES 157b classes. Emphasis is on pre-production and production in the spring, and on post-production in the fall. Interview with instructor and teaching assistant required for admission.

[Anthropology 2840 (formerly Anthropology 268). Ethnography and Personhood]

Catalog Number: 3560

Michael Herzfeld

Half course (fall term). Hours to be arranged.

Intensive, critical review of major ethnographies, exploring the relationship between society and personhood, examining ethnographic writing and its relation to other genres (including biography); and tracing anthropological theory through changes in descriptive and analytic practice.

Note: Expected to be given in 2007–08. Given in alternate years.

[Anthropology 2845. Media Anthropology Theory] - (New Course)

Catalog Number: 5422

Lucien G. Taylor

Half course (spring term). Hours to be arranged.

Seminar offering a critical overview of the field of media anthropology, as it has developed over the last half century. Attention will be on the media as both an object and a genre of



anthropological discourse.

Note: Expected to be given in 2007–08. Students must attend all VES 189 classes.

[*Anthropology 2850r \(formerly *Anthropology 271r\). Practicum in Foreign-Language Ethnography](#)

Catalog Number: 9856

Michael Herzfeld and members of the Department

Half course (fall term). Hours to be arranged.

Readings in ethnographic and related theoretical works written in a selected foreign language; discussion, class presentations, and final papers will be in that language also.

Note: Offered when demand and availability permit. Primarily for doctoral students.

[Anthropology 2855 (formerly Anthropology 1850). Deep China: What Medical Anthropology and Psychiatry Contribute to the Study of China Today]

Catalog Number: 1679

Arthur Kleinman

Half course (fall term). Hours to be arranged.

What do accounts of depression, suicide, substance abuse, sexually transmitted diseases, SARS, HIV/AIDS, starvation and the personal and family trauma of political violence teach us about China and the Chinese over the last few decades?

Note: Expected to be given in 2009–10. Open to undergraduates.

[Anthropology 2865. Islamic Eurasia and the Anthropology of Post-Socialism - \(New Course\)](#)

Catalog Number: 7323

John S. Schoeberlein

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Exploring the emerging fields of Islam in the former Soviet sphere and the anthropology of post-Socialism, focusing on issues of social transformation under the "transition" from Communism, and changing identities and cultural forms.

Note: Open to advanced undergraduate students with permission of instructor.

[Anthropology 2870 (formerly Anthropology 1780). Transgressive Texts: Contemporary Latin American Ethnography]

Catalog Number: 3347

Kimberly Theidon

Half course (fall term). Hours to be arranged.

A reading seminar of ethnographic accounts of globalization, identity formation, and political action in Latin America. We explore cultural forms and materials conditions, locating the politics of representation within fields of power and conflict.

Note: Expected to be given in 2007–08.

[Anthropology 2876 (formerly Anthropology 276). New Ethnographies in the Anthropology of Social Experience]

Catalog Number: 5029

Arthur Kleinman



Half course (fall term). Hours to be arranged.

New ethnographies of social experience and subjectivity are remaking anthropology. Students critically examine studies of illness, violence, and cultural responses to other human problems. Emphasis is on the methodology, writing, and ethics of such ethnographies.

Note: Expected to be given in 2008–09. Open to advanced undergraduates.

[Anthropology 2880 (formerly Anthropology 238). Reorienting Southeast Asia]

Catalog Number: 7727

Mary M. Steedly and Smita Lahiri

Half course (fall term). Hours to be arranged.

Revisits some classic themes in Southeast Asian ethnography (e.g. “culture” and “charisma”) in the wake of the Asian financial crisis. Topics include: violence and criminality, technology and technocultural mediations, political predation and reform, (trans) local activists.

Note: Expected to be given in 2007–08.

[*Anthropology 2920 (formerly *Anthropology 292). Japanese Urbanism]

Catalog Number: 9559

Theodore C. Bestor

Half course (spring term). Hours to be arranged.

A research seminar on selected topics in the anthropological analysis of Japanese urban culture and society.

Note: Expected to be given in 2007–08.

[Anthropology 2960r (formerly Anthropology 296r). Chinese Social Anthropology: Seminar]

Catalog Number: 4633

James L. Watson

Half course (fall term). Hours to be arranged.

Examines current developments in the social anthropology of Chinese society, with emphasis on popular culture and historical ethnography. Each year a general topic is chosen as the subject of joint research.

Note: Expected to be given in 2007–08. Limited to graduate students.

[Anthropology 2980 (formerly Anthropology 280). Culture]

Catalog Number: 1114

Mary M. Steedly

Half course (spring term). Hours to be arranged.

“Culture” is one of anthropology’s key concepts, but there has never been agreement as to the term’s meaning. We tour the work of culture’s key theorists. Is culture still a useful concept in anthropological analysis?

Note: Expected to be given in 2007–08.

[Anthropology 2985. Sociocultural Space and Time: Seminar]

Catalog Number: 8385

Engseng Ho

Half course (fall term). Hours to be arranged.



We revisit the development of social theory (structure, practice, subject, domination) through cultivating an eye for the sensuous properties of spatiotemporal media/phenomena (landscape painting, built form, imperial and industrial mobility, travel narratives, genealogy, fame, diaspora).

Note: Expected to be given in 2007–08.

Cross-listed Courses

[**African and African American Studies 141. Afro-Atlantic Religions**]

[Foreign Cultures 34. Mesoamerican Civilizations](#)

[**Foreign Cultures 74. Cultures of Southern Europe**]

[**Foreign Cultures 84. Tokyo**]

[**Foreign Cultures 86. West African Cultures**]

[Religion 1890. Islam, Secularism and Human Rights: From Egypt to North America: Conference Course - \(New Course\)](#)

[Social Analysis 28. Culture, Illness, and Healing: An Introduction to Medical Anthropology](#)

[Social Analysis 50. Urban Revolutions: Archaeology and the Investigation of Early States](#)

[**Social Analysis 70. Food and Culture**]

[*Visual and Environmental Studies 157ar. Digital Ethnography I: Studio Course](#)

[**Visual and Environmental Studies 189. Exploring Culture Through Film**]

Graduate Courses of Reading and Research

***Anthropology 3000 (formerly *Anthropology 300). Reading Course**

Catalog Number: 3454

Members of the Department

Special reading in selected topics under the direction of members of the Department.

Note: Consult the appropriate member of the Department.

***Anthropology 3001 (formerly *Anthropology 301). Reading for General Examination**

Catalog Number: 5689

Members of the Department

Individual reading in preparation for the General Examination for the PhD degree.

Note: Restricted to candidates for the PhD degree and ordinarily to those who have completed at least one year in residence.

***Anthropology 3100 (formerly *Anthropology 3023). Old World Archaeology (Europe, Asia, and Africa)**

Catalog Number: 3463

Ofer Bar-Yosef 1887 (on leave spring term), C. C. Lamberg-Karlovsky 2387 (on leave spring term), and Richard H. Meadow 1572

***Anthropology 3111 (formerly *Anthropology 3024). Asiatic Archaeology and Ethnography**

Catalog Number: 5398



Rowan K. Flad 5059 (on leave 2006-07), C. C. Lamberg-Karlovsky 2387 (on leave spring term), and Lawrence E. Stager 1468

***Anthropology 3120 (formerly *Anthropology 3027). Scientific Archaeology**

Catalog Number: 0284

Richard H. Meadow 1572 and Noreen Tuross 4845 (fall term only)

***Anthropology 3130 (formerly *Anthropology 3029). Archaeology and Ethnography of the Near and Middle East**

Catalog Number: 3787

Ofer Bar-Yosef 1887 (on leave spring term) and C. C. Lamberg-Karlovsky 2387 (on leave spring term)

***Anthropology 3140 (formerly *Anthropology 3110). Methods and Theory in Archaeology**

Catalog Number: 5440

Ofer Bar-Yosef 1887 (on leave spring term), C. C. Lamberg-Karlovsky 2387 (on leave spring term), Richard H. Meadow 1572, and Noreen Tuross 4845 (fall term only)

***Anthropology 3300 (formerly *Anthropology 330). Supervised Field Work in Anthropology**

Catalog Number: 5683

Members of the Department

General instruction in field methods and practice in the various divisions of anthropology, including archaeology, ethnography, and physical anthropology. Instructional personnel and location of course vary with the research program of the staff. Lectures, conferences, field and laboratory work.

Note: May be taken by graduate students for academic credit, but since it is tuition-free, does not count for residence credit leading to reduced tuition. Open to students with adequate previous training in the subject.

***Anthropology 3310 (formerly *Anthropology 3005). Experimental Methods in Biological Anthropology**

Catalog Number: 9602

Daniel E. Lieberman 3980 (on leave fall term)

***Anthropology 3320 (formerly *Anthropology 320). Advanced Biological Anthropology: Laboratory and Dissertations**

Catalog Number: 2092

John C. Barry 1892, Peter T. Ellison 7413, Cheryl D. Knott 3717, Daniel E. Lieberman 3980 (on leave fall term), David Pilbeam 7224, Maryellen Ruvolo 2512, and Richard W. Wrangham 2349 (on leave 2006-07)

***Anthropology 3400 (formerly *Anthropology 340). Reading and Research**

Catalog Number: 6699

John C. Barry 1892, Theodore C. Bestor 2292 (on leave 2006-07), Steven C. Caton 2307, Paulette G. Curtis 4474, Peter T. Ellison 7413, William L. Fash 1512, Byron J. Good (Medical



School) 7648, Michael Herzfeld 3122 (on leave spring term), Engseng Ho 3094, Arthur Kleinman 7473, Cheryl D. Knott 3717, C. C. Lamberg-Karlovsky 2387 (on leave spring term), Daniel E. Lieberman 3980 (on leave fall term), J. Lorand Matory 3098, Richard H. Meadow 1572, Sally F. Moore 7225, David Pilbeam 7224, Sonja B. Plessset 5621 (spring term only), Maryellen Ruvolo 2512, Mary M. Steedly 2783, Ajantha Subramanian 4618, Lucien G. Taylor 4584 (on leave spring term), James L. Watson 2172 (on leave spring term), Rubie S. Watson 3326, and Richard W. Wrangham 2349 (on leave 2006-07)

***Anthropology 3500 (formerly *Anthropology 351). Direction of Doctoral Dissertations**

Catalog Number: 1864

Members of the Department

Note: Consult the appropriate member of the Department.

***Anthropology 3600 (formerly *Anthropology 3004). Current Issues in Biological Anthropology**

Catalog Number: 9373

Peter T. Ellison 7413, Cheryl D. Knott 3717, Daniel E. Lieberman 3980 (on leave fall term), David Pilbeam 7224, Maryellen Ruvolo 2512, Richard W. Wrangham 2349 (on leave 2006-07), and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Weekly seminars in biological anthropology.

Applied Mathematics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Division of Engineering and Applied Sciences Offering Instruction in Applied Mathematics

Donald G. M. Anderson, Gordon McKay Professor of Applied Mathematics

William H. Bossert, David B. Arnold, Jr. Professor of Science

Michael P. Brenner, Glover Professor of Applied Mathematics and Applied Physics, Tutor in Biochemical Sciences (*Director of Undergraduate Studies*)

Roger W. Brockett, An Wang Professor of Electrical Engineering and Computer Science

Marie D. Dahleh, Lecturer on Engineering Sciences

John W. Hutchinson, Abbott and James Lawrence Professor of Engineering and Gordon McKay Professor of Applied Mechanics

Efthimios Kaxiras, Gordon McKay Professor of Applied Physics and Professor of Physics

Navin Khaneja, Associate Professor of Electrical Engineering on the Gordon McKay

Endowment



Zhiming Kuang, Assistant Professor of Climate Science
L. Mahadevan, Lola England Professor of Applied Mathematics (*on leave 2006-07*)
Shreyas Mandre, Lecturer on Applied Mathematics
Patrick Mitran, Lecturer on Applied Mathematics
Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences, Professor of Physics, Dean of the School of Engineering and Applied Sciences
James R. Rice, Mallinckrodt Professor of Engineering Sciences and Geophysics (*on leave spring term*)
Howard A. Stone, Vicky Joseph Professor of Engineering and Applied Mathematics
Vahid Tarokh, Perkins Professor of Applied Mathematics (*on leave fall term*)
Eli Tziperman, Pamela and Vasco McCoy, Jr. Professor of Oceanography and Applied Physics (*on leave fall term*)
Leslie G. Valiant, T. Jefferson Coolidge Professor of Computer Science and Applied Mathematics

Other Faculty Offering Instruction in Applied Mathematics

Drew Fudenberg, Frederic E. Abbe Professor of Economics
Allan R. Robinson, Gordon McKay Professor of Geophysical Fluid Dynamics, Emeritus

The Division of Engineering and Applied Sciences (www.deas.harvard.edu) offers undergraduate and graduate courses in Applied Mathematics, Applied Physics, Computer Science, Earth and Planetary Sciences, and Engineering Sciences. Recommended course programs at the undergraduate level may be obtained from the Academic Office, Pierce Hall 110. Division faculty also offer several courses in the section entitled General Education Electives.

For information concerning the concentration in Applied Mathematics, please consult the Director of Undergraduate Studies or the Academic Office, Division of Engineering and Applied Sciences, Pierce Hall 110. Many additional courses of interest to applied mathematicians can be found in the Computer Science, Engineering Sciences, Mathematics, and Statistics sections of the catalog.

Primarily for Undergraduates

[Applied Mathematics 21a. Mathematical Methods in the Sciences](#)

Catalog Number: 6395

Navin Khaneja

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Complex numbers. Multivariate calculus: partial differentiation, directional derivatives, techniques of integration and multiple integration. Vectors: dot and cross products, parameterized curves, line and surface integrals. Vector calculus: gradient, divergence and curl, Green's, Stokes' and Gauss' theorems, including orthogonal curvilinear coordinates. Applications in electrical and mechanical engineering.

Note: May not be taken for credit by students who have passed Mathematics 21a. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 1b or equivalent.



Applied Mathematics 21b. Mathematical Methods in the Sciences

Catalog Number: 5074

Vahid Tarokh

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Linear algebra: matrices, determinants, eigenvalues, eigenvectors, Markov processes. Optimization and least-squares analysis. Ordinary differential equations. Infinite series and Fourier series. Orthogonality and completeness. Introduction to partial differential equations. Applications in electrical and mechanical engineering.

Note: May not be taken for credit by students who have passed Mathematics 21b.

Prerequisite: Applied Mathematics 21a or equivalent.

Applied Mathematics 50hf. Introduction to Applied Mathematics - (New Course)

Catalog Number: 9344

Michael P. Brenner and Marie D. Dahleh

Half course (throughout the year). M., 3–5. EXAM GROUP: 8, 9

Introduction to the problems and issues of applied mathematics. This will be accomplished both through the reading of papers that use mathematical arguments to have substantial impact on some field of human activity; as well as guest lecturers from around Harvard to discuss how mathematics is used in their field.

***Applied Mathematics 91r. Supervised Reading and Research**

Catalog Number: 7607

Michael P. Brenner

Half course (fall term; repeated spring term). Hours to be arranged.

An individual project of guided reading and research culminating in a substantial paper or other piece of work which can be meaningfully evaluated to assign a letter grade; may not be taken on a PA/FL basis. Students engaged in preparation of a senior thesis ordinarily should take Applied Mathematics 99r instead.

Note: May be taken as a half course in either term; normally may not be taken for more than two terms. Applications may be obtained at Pierce Hall 110. Students should consult their advisers and concentration literature for further information and guidance. Applications must be signed by the student, by the faculty member supervising the project (who will recommend the grade), and by the Director of Undergraduate Studies, who will sign the student's study card once the project and its method of evaluation have been approved.

***Applied Mathematics 99r. Thesis Research**

Catalog Number: 4648

Michael P. Brenner

Half course (fall term; repeated spring term). Hours to be arranged.

Provides an opportunity for students to engage in preparatory research and the writing of a senior thesis. Graded on a SAT/UNS basis as recommended by the thesis supervisor. The thesis is evaluated by the supervisor and by two additional readers.

Note: May be taken as a half course in either term; normally may not be taken for more than two terms. The Director of Undergraduate Studies will sign the student's study card once a faculty member has agreed in writing to supervise preparation of the thesis, and reaffirmed this agreement if the course is to be repeated. Applications may be obtained at Pierce Hall 110.



Students should consult their advisers and concentration literature for further information and guidance.

For Undergraduates and Graduates

Applied Mathematics 105a. Complex and Fourier Analysis

Catalog Number: 7732

Efthimios Kaxiras

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Functions of a complex variable: mapping, integration, branch cuts, series. Fourier series; Fourier and Laplace transforms; transforms applied to differential equations and data analysis; convolution and correlation; elementary probability theory.

Note: Applied Mathematics 105a and 105b are independent courses, and may be taken in any order.

Prerequisite: Applied Mathematics 21a and 21b, or Mathematics 21a and 21b.

Applied Mathematics 105b. Ordinary and Partial Differential Equations

Catalog Number: 6316

John W. Hutchinson and Shreyas Mandre

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Ordinary differential equations: power series solutions; special functions; eigenfunction expansions. Algebra and calculus of vectors, dyadics, and tensors. Elementary partial differential equations: separation of variables and series solutions; similarity solutions; comparison of elliptic, parabolic and hyperbolic systems. Asymptotics.

Note: Applied Mathematics 105a and 105b are independent courses, and may be taken in any order.

Prerequisite: Applied Mathematics 21a and 21b, or Mathematics 21a and 21b.

Applied Mathematics 106. Applied Algebra and Combinatorics

Catalog Number: 3871

Patrick Mitran

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Introduction to abstract algebra and its applications. Sets, subsets, and partitions; mappings, operations, and equivalence relations; groups, rings, and fields, polynomials, encryption, computer coding, application of modular arithmetic, combinatorial designs, lattices, application of trellis representation of lattices, fast algorithms.

Applied Mathematics 107. Graph Theory and Combinatorics

Catalog Number: 6411

Leslie G. Valiant

Half course (spring term). Tu., Th., 10–11:30 and a weekly section to be arranged. EXAM GROUP: 12, 13

Topics in combinatorial mathematics that find frequent application in computer science, engineering, and general applied mathematics. Specific topics taken from graph theory, enumeration techniques, optimization theory, combinatorial algorithms, and discrete probability.



Applied Mathematics 111. Introduction to Scientific Computing

Catalog Number: 7000

Zhiming Kuang

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Many complex physical problems defy simple analytical solutions or even accurate analytical approximations. Scientific computing can address certain of these problems successfully, providing unique insight. This course introduces some of the widely used techniques in scientific computing through examples chosen from physics, chemistry, and biology. The purpose of the course is to introduce methods that are useful in applications and research and to give the students hands-on experience with these methods.

Prerequisite: Applied Mathematics 21a and 21b, or Mathematics 21a and 21b, or permission of instructor.

Applied Mathematics 115. Mathematical Modeling

Catalog Number: 1768

William H. Bossert (fall term); Eli Tziperman and Drew Fudenberg (spring term)

Half course (fall term; repeated spring term). Fall: Tu., Th., 11:30–1; Tu., Th., 4–5:30; Spring: Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Abstracting the essential components and mechanisms from a natural system to produce a mathematical model, which can be analyzed with a variety of formal mathematical methods, is perhaps the most important, but least understood, task in applied mathematics. This course approaches a number of problems without the prejudice of trying to apply a particular method of solution. Topics drawn from mechanics, biology, economics and the behavioral sciences.

Prerequisite: Mathematics at least at the level of Applied Mathematics 21a,b. Additional skills in analysis, algebra, probability, statistics and computer programming will increase the value of the course to students.

[Applied Mathematics 120. Applicable Linear Algebra]

Catalog Number: 4378

Donald G. M. Anderson

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

An algorithmic approach to topics in matrix theory which arise frequently in applied mathematics: linear equations, pseudoinverses, quadratic forms, eigenvalues and singular values, linear inequalities and optimization, linear differential and difference equations.

Note: Expected to be given in 2007–08. Offered in alternate years.

Prerequisite: Applied Mathematics 21b, or Mathematics 21b, or equivalent.

[Applied Mathematics 147. Nonlinear Dynamical Systems]

Catalog Number: 7708

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An introduction to nonlinear dynamical phenomena, chaos and fractals. The behavior of systems described by ordinary differential equations such as oscillations or population dynamics; bifurcations; approximations by maps; routes to chaos; universality in nonlinear systems.

Techniques for analyzing theoretical and experimental nonlinear systems are introduced with applications to physical and biological systems.



Note: Expected to be given in 2007–08.

Prerequisite: Mathematics 21a and 21b, or Applied Mathematics 21a and 21b.

Cross-listed Courses

[MCB 111 \(formerly MCB 211\). Mathematics in Biology](#)

Primarily for Graduates

[Applied Mathematics 201. Physical Mathematics I](#)

Catalog Number: 3241

Michael P. Brenner

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Introduction to methods for developing accurate approximate solutions for problems in the physical sciences that cannot be solved exactly. Topics include: complex function theory, approximate solution of integrals, algebraic equations, nonlinear differential equations, and qualitative methods.

Prerequisite: Applied Mathematics 105a, b or equivalent.

[Applied Mathematics 202. Physical Mathematics II]

Catalog Number: 6559

Half course (spring term). M., W., F., at 9. EXAM GROUP: 2

Theory and techniques for finding exact and approximate analytical solutions of partial differential equations with numerical evaluation: eigenfunction expansions, Green functions, variational calculus, transform techniques, perturbation methods, characteristics, line asymptotic methods and selected nonlinear PDE's.

Note: Expected to be given in 2007–08.

Prerequisite: Applied Mathematics 105a and 105b, or equivalent.

[Applied Mathematics 203 (formerly Applied Mathematics 203r). Nonlinear Dynamics and Chaos]

Catalog Number: 6336

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Basic concepts of nonlinear physics, dynamical system theory, and chaos, demonstrated using simple model systems, ODEs, discrete maps, and examples from applications. Analytical and geometrical methods for both experimental and model nonlinear systems.

Note: Expected to be given in 2007–08.

Prerequisite: Knowledge of ordinary differential equations.

[Applied Mathematics 205. Practical Scientific Computing](#)

Catalog Number: 1370

Shreyas Mandre

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Computational methods at a sophisticated analytic level. Practical exercises emphasized. A wide



range of topics from linear algebra to Fourier analysis will be covered.

Prerequisite: Mathematics at the level of Applied Mathematics 105b. A previous course in computing is not required.

Applied Mathematics 206. Advanced Applied Algebra and Combinatorics

Catalog Number: 6018

Patrick Mitran

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Sets, subsets, and partitions; mappings, operations, and equivalence relations; groups, rings, and fields, polynomials, encryption, computer coding, application of modular arithmetic, combinatorial designs, lattices, application of trellis representation of lattices, fast algorithms; selected readings.

Note: Meets with Applied Mathematics 106. Students enrolled in Applied Mathematics 206 will be assigned additional readings.

Applied Mathematics 210. Elementary Functional Analysis

Catalog Number: 2781

Donald G. M. Anderson

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

An introduction to functional analysis and its applications: metric, Banach and Hilbert spaces; linear operators, spectral theory; differentiation and integration.

Note: Expected to be omitted in 2007–08. Offered in alternate years.

Prerequisite: Applied Mathematics 105a and 105b; and Applied Mathematics 120 or Mathematics 121, or equivalent.

Applied Mathematics 211. Introduction to Numerical Mathematics

Catalog Number: 1894

Donald G. M. Anderson

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Principles and techniques of numerical analysis, synthesis and computation: interpolation and approximation, numerical quadrature and differentiation, linear and nonlinear equations, optimization, differential and integral equations.

Prerequisite: Applied Mathematics 105a and 105b; Applied Mathematics 111 or 120 would be helpful.

[Applied Mathematics 212. Numerical Solution of Differential Equations]

Catalog Number: 6127

Donald G. M. Anderson

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

The development, study and implementation of numerical methods for the approximate solution of ordinary and partial differential equation initial and boundary value problems, and related topics.

Note: Expected to be given in 2007–08. Offered in alternate years.

Prerequisite: Applied Mathematics 211, or equivalent; Applied Mathematics 202 or 210 would be helpful.



Applied Mathematics 213. Topics in Numerical Mathematics

Catalog Number: 1048

Donald G. M. Anderson

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Topic for 2006–07: analytical and numerical methods for the approximate solution of integral equations.

Note: Expected to be omitted in 2007–08. Offered in alternate years.

Prerequisite: Applied Mathematics 211, or equivalent; Applied Mathematics 202 or 210 would be helpful.

Applied Mathematics 299r. Special Topics in Applied Mathematics

Catalog Number: 5798

Howard A. Stone

Half course (fall term; repeated spring term). Hours to be arranged.

Supervision of experimental or theoretical research on acceptable applied mathematics problems and supervision of reading on topics not covered by regular courses of instruction.

Note: Open to graduate students and AB/SM candidates only. Students must arrange such work with a member of the Division. This course is graded and is ordinarily taken with the approval of the Committee on Higher Degrees. Applicants must file a project sheet before study cards are filed. Project sheets may be obtained from the Academic Office, Pierce Hall 110.

Graduate Courses of Reading and Research

Reading courses are odd-numbered; research courses are even-numbered.

***Applied Mathematics 311,312. Numerical Mathematics and Scientific Computing**

Catalog Number: 7333,6118

Donald G. M. Anderson 1061

***Applied Mathematics 315,316. Stochastic Processes, Dynamical Systems, Applied Differential Geometry**

Catalog Number: 2458,2459

Roger W. Brockett 3001

***Applied Mathematics 317,318. Special Topics in Physical Mathematics**

Catalog Number: 9160,2166

Michael P. Brenner 4101

***Applied Mathematics 319,320. Topics in Continuum Mechanics and Biological Physics**

Catalog Number: 2084,4567

L. Mahadevan 4758 (on leave 2006-07)

***Applied Mathematics 321,322. Biological Applications of Mathematics and Automatic Computers**

Catalog Number: 7615,4243

William H. Bossert 1049



***Applied Mathematics 323,324. Applied Mathematics in Physical Sciences**

Catalog Number: 1149,5221

Howard A. Stone 2073

***Applied Mathematics 331,332. Theoretical Mechanics in the Earth and Engineering Sciences**

Catalog Number: 0112,0251

James R. Rice 7270 (on leave spring term)

***Applied Mathematics 333,334. Dynamics of the Ocean; Interdisciplinary Modeling; Geophysical Fluid Dynamics**

Catalog Number: 4947,4948

Allan R. Robinson 2133

***Applied Mathematics 341,342. Applied Probability and Statistical Inference, Classical and Quantum Information Theory**

Catalog Number: 0970,6033

Navin Khaneja 4192

Applied Physics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Division of Engineering and Applied Sciences Offering Instruction in Applied Physics

Michael J. Aziz, Gordon McKay Professor of Materials Science

David C. Bell, Lecturer on Applied Physics (*spring term only*)

Michael P. Brenner, Glover Professor of Applied Mathematics and Applied Physics, Tutor in Biochemical Sciences

Federico Capasso, Robert L. Wallace Professor of Applied Physics

Kenneth B. Crozier, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment

Daniel S. Fisher, Professor of Physics and Professor of Applied Physics (*on leave fall term*)

Cynthia M. Friend, Theodore William Richards Professor of Chemistry and Professor of Materials Science (*on leave fall term*)

Jene A. Golovchenko, Rumford Professor of Physics and Gordon McKay Professor of Applied Physics

Fawwaz Habbal, Lecturer on Applied Physics

Donhee Ham, Associate Professor of Electrical Engineering on the Gordon McKay Endowment



Lene V. Hau, Mallinckrodt Professor of Physics and of Applied Physics
 Efthimios Kaxiras, Gordon McKay Professor of Applied Physics and Professor of Physics
 Zhiming Kuang, Assistant Professor of Climate Science
 Charles M. Lieber, Mark Hyman, Jr. Professor of Chemistry
 Marko Loncar, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment
 Vinothan N. Manoharan, Assistant Professor of Physics and Chemical Engineering
 Paul C. Martin, John Hasbrouck Van Vleck Professor of Pure and Applied Physics (*on leave fall term*)
 Eric Mazur, Gordon McKay Professor of Applied Physics and Professor of Physics
 Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences, Professor of Physics, Dean of the School of Engineering and Applied Sciences
 David R. Nelson, Arthur K. Soloman Professor of Biophysics and Professor of Physics and Applied Physics
 Peter S. Pershan, Frank B. Baird, Jr. Professor of Science
 Shriram Ramanathan, Assistant Professor of Materials Science on the Gordon McKay Endowment
 James R. Rice, Mallinckrodt Professor of Engineering Sciences and Geophysics (*on leave spring term*)
 Frans A. Spaepen, John C. and Helen F. Franklin Professor of Applied Physics (*on leave spring term*)
 Howard A. Stone, Vicky Joseph Professor of Engineering and Applied Mathematics
 Patrick Thaddeus, Robert Wheeler Willson Professor of Applied Astronomy
 Eli Tziperman, Pamela and Vasco McCoy, Jr. Professor of Oceanography and Applied Physics (*on leave fall term*)
 Joost J. Vlassak, Associate Professor of Materials Engineering on the Gordon McKay Endowment, Gordon McKay Professor of Materials Engineering
 David A. Weitz, Mallinckrodt Professor of Physics and of Applied Physics
 Robert M. Westervelt, Mallinckrodt Professor of Applied Physics and of Physics (*on leave spring term*)
 Tai T. Wu, Gordon McKay Professor of Applied Physics and Professor of Physics (*on leave spring term*)

Other Faculty Offering Instruction in Applied Physics

Allan R. Robinson, Gordon McKay Professor of Geophysical Fluid Dynamics, Emeritus

The Division of Engineering and Applied Sciences (www.deas.harvard.edu) offers undergraduate and graduate courses in Applied Mathematics, Applied Physics, Computer Science, Earth and Planetary Sciences, and Engineering Sciences. Division faculty also offer several courses in the section entitled General Education Electives.

For Undergraduates and Graduates

[Applied Physics 190. Materials Physics]

Catalog Number: 1087

Joost J. Vlassak



Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Introduces undergraduates in Engineering and Physics to the scientific basis of our understanding of the structure and properties of materials. Topics to be covered include chemical bonding and its relation to structure; crystallography; diffraction; defects in crystals and their effects on material behavior; electrical, thermal and mechanical properties.

Note: Expected to be given in 2007–08.

Prerequisite: Thermodynamics (Engineering Sciences 181, Physics 181, or equivalent), Physics 11a and b, or Physics 15a and b, and Applied Mathematics 21a and b or Mathematics 21a and b.

Applied Physics 195. Introduction to Solid State Physics

Catalog Number: 1842

Robert M. Westervelt

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Fundamental physical properties of crystalline solids discussed in terms of the basic principles of classical and quantum physics. Crystal structure, lattice vibrations, specific heat, energy band theory of metals and semiconductors and insulators, electrical transport in metals and semiconductors, optical and magnetic properties, superconductivity.

Note: Designed as a first course in solid state physics for students with knowledge of elementary quantum mechanics (Physics 143a). Some knowledge of statistical physics (Physics 181) is also helpful, but not a formal prerequisite. Students who propose to take Applied Physics 295a in the spring term, and who have not previously taken a formal course in solid state physics, are strongly advised to take this course first. Students may wish to take Physics 195, whose content is very similar, when this course is bracketed.

Cross-Listed Courses

[Applied Mathematics 147. Nonlinear Dynamical Systems]

[Earth and Planetary Sciences 131. Introduction to Physical Oceanography and Climate]

Primarily for Graduates

Additional courses of interest to graduate students in Applied Physics include: Applied Mathematics 203, Engineering Sciences 220, 225r, 240, 241, 242r, 246, 247, and 274.

[Applied Physics 216. Modern Optics and Quantum Electronics]

Catalog Number: 4691

Lene V. Hau

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Optical systems and lasers have recently revolutionized both technology and basic research. We cover the fundamental physics, and topics include Fourier optics, optical cavities and lasers. Non-linear optics. Optics with nanostructures. Optics for bio-molecule studies.

Note: Expected to be given in 2007–08.

Prerequisite: A class in electromagnetism/electrodynamics.



Applied Physics 217. Applications of Modern Optics

Catalog Number: 6965

Lene V. Hau

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Optics in biology, single-molecule studies. Polymerase/DNA, optical trapping of molecules, Raman spectroscopy, 2-photon microscopy for brain studies and cell imaging. Nano-optics. Atom interferometry, navigational gyroscopes. Frequency combs, atom clocks, global positioning system.

Prerequisite: A course in electromagnetism.

Applied Physics 218. Electrical, Optical, and Magnetic Properties of Materials

Catalog Number: 9804

Shriram Ramanathan

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Classical and quantum description of electrical, optical and magnetic properties, and their fundamental physical origins; experimental techniques. Properties of compositionally complex materials such as ceramics. Structure-property relations. Applications in semiconductor, information storage, energy industries.

Prerequisite: Introductory solid-state physics or equivalent course.

Applied Physics 225. Introduction to Soft Matter

Catalog Number: 5298

Vinothan N. Manoharan

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Introduction to soft condensed matter, or “complex fluids,” including polymers, colloids, liquid crystals, and biological structures. Emphasis on physical principles that govern bulk behavior. Students will understand the concepts, experimental techniques, and open questions.

Prerequisite: Knowledge of thermodynamics with basic statistical mechanics and some familiarity with Fourier transforms and differential equations.

[Applied Physics 269r. Topics in Statistical Physics and Quantitative Biology]

Catalog Number: 5063

Daniel S. Fisher

Half course (spring term). M., W., 10–11:30. EXAM GROUP: 3, 4

Develops theoretical basis for modeling, analysis, and understanding of a spectrum of physical and biological problems. Spring 2005 focus will be dynamical and stochastic phenomena in biology at molecular, cellular, organismic, and population levels.

Note: Expected to be given in 2007–08.

Prerequisite: Applied mathematics at level of 105a and 105b and some background in statistical mechanics or probability/combinatorics.

Applied Physics 282. Solids: Structure and Defects

Catalog Number: 5737

Frans A. Spaepen

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Bonding, crystallography, diffraction, phase diagrams, microstructure, point defects,



dislocations, grain boundaries.

Note: Intended for students in applied mechanics, materials science, condensed matter physics, and chemistry.

[Applied Physics 284. Statistical Thermodynamics]

Catalog Number: 2257

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Basic principles of statistical physics and thermodynamics, with applications including: the equilibrium properties of classical and quantum gases; phase diagrams, phase transitions and critical points, as illustrated by the gas-liquid transition and simple magnetic models; Bose-Einstein condensation.

Note: Expected to be given in 2007–08. Students may wish to take Physics 262 when this course is bracketed.

Prerequisite: Ordinarily, Physics 143a,b and Physics 181 or Engineering Sciences 181.

Applied Physics 291. Electron Microscopy Laboratory

Catalog Number: 1761 Enrollment: Limited to 15.

David C. Bell

Half course (spring term). M., 2–3:30 and a laboratory to be arranged. EXAM GROUP: 7, 8

Lectures and laboratory instruction on transmission electron microscopy (TEM) and microanalysis. Students perform experiments with the TEM including electron diffraction, dark field imaging, X-ray spectroscopy, atomic structure imaging and materials sample preparation.

Note: Primarily for graduate students planning to use materials analysis in their research.

Applied Physics 292. Kinetics of Condensed Phase Processes

Catalog Number: 3733

Michael J. Aziz

Half course (spring term). M., W., F., at 11, and occasional laboratory to be arranged. EXAM GROUP: 4

Kinetic principles underlying atomic motions, transformations, and other atomic transport processes in condensed phases. Application to atomic diffusion, continuous phase transformations, nucleation, growth, coarsening, and other kinetic phenomena in bulk, thin film, and surface states.

Prerequisite: An undergraduate-level course in thermodynamics.

[Applied Physics 293. Deformation of Solids]

Catalog Number: 6796

Frans A. Spaepen

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Phenomenology and theory of the mechanisms by which solids can deform, including elastic deformation, microscopic dislocation glide and the kinetics of slip, dislocation and diffusional creep; deformation mechanism maps; fracture.

Note: Expected to be given in 2007–08.

Prerequisite: Knowledge of thermodynamics and elements of crystal structure.



***Applied Physics 294hfr. Materials Science Seminar**

Catalog Number: 4924

Frans A. Spaepen and Michael J. Aziz

Half course (throughout the year). Th., at 1. EXAM GROUP: 15

Special topics in materials science.

Prerequisite: Consult with course heads.

Applied Physics 295a. Introduction to Quantum Theory of Solids

Catalog Number: 6937

Cario Lweenkopf

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Properties of solids, electrical, optical, thermal, magnetic, mechanical, are treated based on an atomic scale picture and using the single electron approximation. Metals, semiconductors, and insulators are covered, including special topics such as superconductivity.

Prerequisite: Applied Physics 195 or equivalent, and one full quantum mechanics graduate level course similar to Physics 251a. Physics 251b may be taken concurrently.

Applied Physics 295b. Quantum Theory of Solids

Catalog Number: 3610

Paul C. Martin

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Theoretical description of solids focusing on the effects of interactions between electrons, including dielectric response, Fermi liquid theory, magnetism, and superconductivity.

Prerequisite: Applied Physics 295a, Physics 251a & 251b, or permission of instructor.

Applied Physics 298r. Interdisciplinary Chemistry, Engineering and Physics: Seminar

Catalog Number: 7500

Fawwaz Habbal and members of the Faculty

Half course (spring term). M., W., 12–1:30. EXAM GROUP: 5, 6

Lectures on Nanoscale Science and Engineering will present the fundamental concepts, with examples from current research in three areas: Tools for Integrated Nanobiology, Nano Building Blocks, and Imagining at the Nanoscale.

Note: A paper and oral presentation will be required. Taught in 2007 by faculty associated with our Nanoscale Science and Engineering Center. In 2008, Materials Research Science and Engineering will be presented.

Applied Physics 299r. Special Topics in Applied Physics

Catalog Number: 2103

Venkatesh Narayanamurti

Half course (fall term; repeated spring term). Hours to be arranged.

Supervision of experimental or theoretical research on acceptable applied physics problems and supervision of reading on topics not covered by regular courses of instruction.

Note: Open to graduate students and AB/SM candidates only. Students must arrange such work with a member of the Division. This course is graded and is ordinarily taken with the approval of the Committee on Higher Degrees. Applicants must file a project sheet before study cards are filed. Project sheets may be obtained from the Academic Office, Pierce Hall 110.



Cross-Listed Courses

[Physics 232 \(formerly Physics 232a\). Advanced Classical Electromagnetism](#)

Graduate Courses of Reading and Research

Reading courses are odd-numbered; research courses are even-numbered.

***Applied Physics 301,302. Ultrafast Electronic Devices - (New Course)**

Catalog Number: 6859,6068

Donhee Ham 4519

***Applied Physics 323,324. Topics in Nano-Scale Materials Science**

Catalog Number: 5947,5970

Shriram Ramanathan 5341

***Applied Physics 325,326. Optics with Cold Atoms, Nano-structures, and Bio-molecules**

Catalog Number: 0488,7669

Lene V. Hau 2151

***Applied Physics 331,332. Experimental Condensed Matter Physics**

Catalog Number: 0467,1560

Robert M. Westervelt 6148 (on leave spring term)

***Applied Physics 333,334. Electronic Properties of Nanostructures, Interaction of Biomolecules with Nanostructures, and X-Ray Physics**

Catalog Number: 1033,6126

Jene A. Golovchenko 1986

***Applied Physics 335,336. Theoretical Study of the Structure and Electronic Properties of Nanoscale Materials and Biological Macromolecules**

Catalog Number: 7902,7903

Efthimios Kaxiras 3050

***Applied Physics 337,338. Growth and Properties of Nanostructures and Nanostructure Assemblies; Development and Application of New Probe Microscopies; Biophysics**

Catalog Number: 3050,3051

Charles M. Lieber 3102

***Applied Physics 339,340. Topics in Electromagnetic Theory**

Catalog Number: 4258,3127

Tai T. Wu 1051 (on leave spring term)

***Applied Physics 341,342. Nano-Lasers and Single-Photon Sources Based on Photonic Crystals and Metamaterials - (New Course)**



Catalog Number: 1441,0650

Marko Loncar 5703

***Applied Physics 343,344. Topics in Electromagnetic Theory and Molecular Spectroscopy**

Catalog Number: 2695,4213

Patrick Thaddeus 1398

***Applied Physics 347,348. Solid Mechanics in Seismology and Materials Physics**

Catalog Number: 4033,3514

James R. Rice 7270 (on leave spring term)

***Applied Physics 351,352. Statistical and Condensed Matter Theory**

Catalog Number: 3992,3993

Paul C. Martin 2103 (on leave fall term)

***Applied Physics 353,354. Theoretical Statistical Physics and Biology**

Catalog Number: 5186,5941

Daniel S. Fisher 2600 (on leave fall term)

***Applied Physics 355,356. Special Topics in Theoretical Engineering**

Catalog Number: 4864,9197

Michael P. Brenner 4101

***Applied Physics 357,358. Nanophotonics and Scanning Near-Field Optical Microscopy**

Catalog Number: 3865,5593

Kenneth B. Crozier 5146

***Applied Physics 359,360. Nonlinear Laser Physics and Materials Engineering**

Catalog Number: 5760,3525

Eric Mazur 7952

***Applied Physics 361,362. Photonics, Quantum Devices and Nanostructures**

Catalog Number: 9431,9506

Federico Capasso 4571

***Applied Physics 363,364. Experimental Soft Condensed Matter Physics**

Catalog Number: 8975,7242

David A. Weitz 2497

***Applied Physics 365,366. Experimental Condensed Matter: Ballistic Transport in Semiconductors, Nanostructures, and Tunneling Microscopy**

Catalog Number: 9195,0425

Venkatesh Narayanamurti 5445



***Applied Physics 367,368. Topics on Condensed Matter Physics**

Catalog Number: 6975,4173

David R. Nelson 5066

***Applied Physics 369,370. Experimental Condensed Matter: Synchrotron X-Ray Scattering Studies of Interfacial Phenomena (Liquids and Solid)**

Catalog Number: 2442,7532

Peter S. Pershan 1105

***Applied Physics 381,382. Special Topics in Fluid Dynamics**

Catalog Number: 4554,2668

Howard A. Stone 2073

***Applied Physics 383,384. Topics in Atmospheric and Climate Dynamics**

Catalog Number: 3214,3221

Zhiming Kuang 5285

***Applied Physics 385,386. Dynamics of the Ocean; Interdisciplinary Modeling; Geophysical Fluid Dynamics**

Catalog Number: 2878,2879

Allan R. Robinson 2133

***Applied Physics 387,388. Climate Dynamics and Physical Oceanography**

Catalog Number: 3549,8599

Eli Tziperman 4748 (on leave fall term)

***Applied Physics 391,392. Experimental Soft Condensed Matter and Materials Physics**

Catalog Number: 1164,5559

Vinothan N. Manoharan 5251

***Applied Physics 393,394. Experimental Studies of Interfaces and Surfaces**

Catalog Number: 1331,5451

Cynthia M. Friend 7446 (on leave fall term)

***Applied Physics 395,396. Topics in Materials Science**

Catalog Number: 4012,5003

Michael J. Aziz 1337

***Applied Physics 397,398. Materials Science**

Catalog Number: 4266,5010

Frans A. Spaepen 4991 (on leave spring term)



Archaeology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Archaeology

Gary Urton, Dumbarton Oaks Professor of Pre-Columbian Studies (*Chair*)

Suzanne P. Blier, Allen Whitehill Clowes Professor of Fine Arts and Professor of African and African American Studies

William L. Fash, Bowditch Professor of Central American and Mexican Archaeology and Ethnology

Ioli Kalavrezou, Dumbarton Oaks Professor of Byzantine Art

C. C. Lamberg-Karlovsky, Stephen Phillips Professor of Archaeology and Ethnology (*on leave spring term*)

Peter Machinist, Hancock Professor of Hebrew and Other Oriental Languages

Michael McCormick, Francis Goelet Professor of Medieval History

Richard H. Meadow, Senior Lecturer on Anthropology

Betsey A. Robinson, Assistant Professor of the Classics and of History of Art and Architecture

Lawrence E. Stager, Dorot Professor of the Archaeology of Israel

Irene J. Winter, William Dorr Boardman Professor of Fine Arts

The Committee on Archaeology is a multidisciplinary group of scholars appointed to promote the teaching of archaeology at Harvard and advance knowledge of archaeological activity, research, fieldwork, and techniques in the many and varied fields where archaeology is employed as an approach to past cultures and histories around the world. Archaeology can be seen as the study of past human societies through the recovery, analysis, and interpretation of material remains. Those who practice archaeology employ a wide range of methods, techniques, and theoretical orientations drawn from across the spectrum of academic disciplines to further their specific intellectual goals. Likewise, scholars of many disciplines who do not consider themselves to be practicing archaeologists nevertheless use the results of archaeological work in their teaching and research.

The teaching of archaeology at Harvard is centered in four departments (programs thereof): Anthropology (Archaeology), The Classics (Classical Archaeology), History of Art and Architecture, and Near Eastern Languages and Civilizations (Ancient Near Eastern and Biblical Studies), although a number of other departments, as well as the Core Curriculum, also have courses whose instructors integrate archaeological subject matter into their offerings.

The listing below is a compilation of courses in which the practice of archaeology is taught or the use of archaeological information is integral. The interested student is urged to consult the full listings of the various departments for related courses, relevant undergraduate tutorials, and graduate-level reading courses.

Core Curriculum



[Foreign Cultures 12. Sources of Indian Civilization]

[Foreign Cultures 34. Mesoamerican Civilizations](#)

[Foreign Cultures 79. Historical and Musical Paths on the Silk Road - \(New Course\)](#)

[Historical Study B-06. The Roman Games](#)

[Historical Study B-13. Charlemagne and the Birth of Medieval Civilization]

[Literature and Arts B-21. The Images of Alexander the Great](#)

[Literature and Arts C-61. The Rome of Augustus](#)

[Science B-27. Human Evolution](#)

[Science B-29. Evolution of Human Nature](#)

[Science B-64. Feeding the World; Feeding Yourself](#)

[Social Analysis 50. Urban Revolutions: Archaeology and the Investigation of Early States](#)

[Social Analysis 74. Visible Language: Writing Systems, Scripts, and Literacy](#)

Freshman Seminars

[*Freshman Seminar 21j. Human Evolution](#)

[*Freshman Seminar 34x. Language and Prehistory](#)

[*Freshman Seminar 35s. Roman Art and Society](#)

[*Freshman Seminar 38g. Back to Life: Lost Languages and Decipherment](#)

[*Freshman Seminar 44j. The Aztecs and Maya](#)

Anthropology

[*Anthropology 92r. Research Methods in Museum Collections](#)

[Anthropology 1000 (formerly Anthropology 100). World Prehistory: Archaeological Approaches to Ancient Societies]

[Anthropology 1010 \(formerly Anthropology 101\). Introduction to Archaeology](#)

[*Anthropology 1020. Debates in the Archaeology of India and Pakistan: Seminar - \(New Course\)](#)

[Anthropology 1030 (formerly Anthropology 156). Religions of Mesoamerica]

[Anthropology 1040 (formerly Anthropology 140). Origins of the Food We Eat]

[Anthropology 1045. Ancient Settlement Systems: Seminar - \(New Course\)](#)

[Anthropology 1060 \(formerly Anthropology 166\). Archaeological Science](#)

[Anthropology 1085. Six Great Discoveries in New World Archaeology - \(New Course\)](#)

[Anthropology 1090. Ethnography and Archaeology](#)

[Anthropology 1120. Comparative Analysis of Ancient Civilizations]

[Anthropology 1130. Archaeology of Harvard Yard]

[Anthropology 1138. Experiencing the Past - \(New Course\)](#)

[Anthropology 1150 (formerly Anthropology 2063). Ancient Landscapes]

[Anthropology 1170. Mesoamerican Writing Systems]

[Anthropology 1174 \(formerly Anthropology 174\). The Incas](#)

[Anthropology 1175 \(formerly Anthropology 175\). The Archaeology of Ethnicity](#)

[Anthropology 1177 (formerly Anthropology 177). South American Archaeology]

[Anthropology 1210. The Archaeology of Early China]

[Anthropology 1220. The Record of the Material Culture: Lithics, Pottery, Metallurgy]

[*Anthropology 2000. Osteoarchaeology Lab](#)



[Anthropology 2010ar. Materials in Ancient Societies: Bone (Human Osteology)]
[Anthropology 2010br. Materials in Ancient Societies: Bone (Zooarchaeology)]
[*Anthropology 2020 \(formerly Anthropology 1065\). GIS and Spatial Analysis in Archaeology](#)
[Anthropology 2050 (formerly Anthropology 252). Introduction to Maya Hieroglyphs]
[Anthropology 2060. Holy War, the Aztec Empire, and the Spanish Conquest]
[*Anthropology 2070a (formerly *Anthropology 207). Archaeological Method and Theory: Seminar]
[Anthropology 2070b. Case Studies and Research Proposal Preparation]
[Anthropology 2090. The Archaeology of Culture Contact]
[Anthropology 2115. Origins of Andean Complex Societies - \(New Course\)](#)
[Anthropology 2175. The Inca Quipu]
[Anthropology 2240. Archaeology of Production: Seminar]
[Anthropology 2360r \(formerly Anthropology 206r\). Topics in Paleolithic Archaeology and Paleoanthropology](#)

Celtic Languages and Literatures

[Celtic 107. Early Irish History]

The Classics

[Classical Archaeology 97r. Classical Archaeology](#)
[Classical Archaeology 100. Introduction to Classical Archaeology](#)
[Classical Archaeology 143. Two Panhellenic Greek Sanctuaries: Olympia and Delphi](#)
[Classical Archaeology 242. Greek Funerary Art](#)
[Classical Archaeology 244r \(formerly Classical Archaeology 244\). Small Greek Bronze Sculptures of the Human Figure: Seminar](#)
[Classical Archaeology 246. Topography and Monuments of Athens - \(New Course\)](#)
*Classical Archaeology 351. Classical Archaeology Proseminar

East Asian Languages and Civilizations

[Chinese History 248. Introduction to Archaeology of Medieval China \(400–1000\) - \(New Course\)](#)
[Japanese History 111a. Gods, Sovereigns, and Shoguns: The History of Early Japan](#)
[Korean History 111. Traditional Korea]

History

[*History 90i. Major Themes in Ancient History]
[History 1085. The Roman Empire, Augustus to Constantine](#)
[History 1101. Medieval Europe]
[History 1111. The Fall of the Roman Empire](#)
[History 2051. Ethnic Identities in Classical Antiquity: Seminar]



History of Art and Architecture

[History of Art and Architecture 13h. Foundations of Early Civilization: An Introduction to the Art of Ancient Mesopotamia](#)

[*History of Art and Architecture 101. The Materials of Art](#)

[History of Art and Architecture 133. Greek Architecture and Urbanism]

[*History of Art and Architecture 137. Cross-Cultural Aesthetics: Proseminar](#)

[History of Art and Architecture 138. Hellenistic Art and Architecture]

[History of Art and Architecture 139s. Roman Sculpture - \(New Course\)](#)

[History of Art and Architecture 193. Painting Traditions in Africa]

[History of Art and Architecture 197. The Imperial Arts of the Inca and the Aztec]

[*History of Art and Architecture 232. Assyrian Reliefs and the Decorative Programs of Assyrian Palaces](#)

[*History of Art and Architecture 271m. Architecture, Display, and Mass Culture in 19th/20th c.](#)

[*History of Art and Architecture 291r. Topics in Pre-Columbian and Colonial Art]

[*History of Art and Architecture 292p. Topics in Pre-Columbian Andean Art in the Peabody Museum - \(New Course\)](#)

Human Evolutionary Biology

[Human Evolutionary Biology 1360 (formerly Anthropology 1360). Human Evolution]

[*Human Evolutionary Biology 1494r (formerly *Anthropology 1494r). The Hominid Fossil Record]

[*Human Evolutionary Biology 1580 \(formerly *Anthropology 1580\). Paleoecology and Human Evolution](#)

Medieval Studies

[Medieval Studies 101. The Auxiliary Disciplines of Medieval History: Proseminar](#)

Molecular and Cellular Biology

[*Biology 95hfg. Cape Cod and Islands: Historical Ecology and Conservation]

Near Eastern Languages and Civilizations

[Ancient Near East 100. History of the Ancient Near East: Mesopotamia](#)

[Ancient Near East 101. Introduction to Mesopotamian Archaeology]

[Ancient Near East 102. Introduction to Mesopotamian Religion]

[Ancient Near East 105. History of the Ancient Near East: The Levant \(up to Alexander the Great\)](#)

[Ancient Near East 109r. History and Archaeology of the Ancient Near East](#)

[Ancient Near East 115. Archaeology of the Levant \(Syria-Palestine\)](#)

[Ancient Near East 117. Biblical Archaeology]

[Ancient Near East 118. Syro-Palestinian Pottery]



***Ancient Near East 215r. Problems in the Archaeology of Bronze and Iron Age Levant: Seminar**

The Study of Religion

Religion 1400. Introduction to the New Testament: History and Interpretation

[Religion 1409. The New Testament, Biblical Studies, and Empire: Seminar]

[Religion 2348ab. Archaeology and the World of the New Testament: Seminar]

Sanskrit and Indian Studies

[Indian Studies 110. History of South Asia to 1200 CE]

Asian Studies Programs

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Council on Asian Studies

Anthony Saich, Daewoo Professor of International Affairs (*Kennedy School*) (*Chair*)

William P. Alford, Henry L. Stimson Professor of Law (*Law School*)

Theodore C. Bestor, Professor of Anthropology (*on leave 2006-07*)

Homi K. Bhabha, Anne F. Rothenberg Professor of the Humanities

Barry R. Bloom, Joan L. and Julius H. Jacobson Professor of Public Health (*Public Health*)

Peter K. Bol, Charles H. Carswell Professor of East Asian Languages and Civilizations (*on leave fall term*)

Harold Bolitho, Professor of Japanese History (*on leave spring term*)

Sugata Bose, Gardiner Professor of Oceanic History and Affairs

Mary C. Brinton, Reischauer Institute Professor of Sociology

James K. M. Cheng, Librarian of the Harvard-Yenching Library

Diana L. Eck, Fredric Wertham Professor of Law and Psychiatry in Society

Carter J. Eckert, Yoon Se Young Professor of Korean History

Mark C. Elliott, Mark Schwartz Professor of Chinese and Inner Asian History

Shengli Feng, Professor of the Practice of Chinese Language (*on leave spring term*)

Andrew Gordon, Lee and Juliet Folger Fund Professor of History

Janet Gyatso, Hershey Professor of Buddhist Studies (*Divinity School*) (*on leave 2007-08*)

Helen Hardacre, Reischauer Institute Professor of Japanese Religions and Society

William C. Hsiao, K. T. Li Professor of Economics (*Public Health*)

Wilt L. Idema, Professor of Chinese Literature

Wesley M. Jacobsen, Professor of the Practice of Japanese Language



William C. Kirby, Edith and Benjamin Geisinger Professor of History
 Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology in the Faculty of Arts and Sciences and Professor of Medical Anthropology in the Faculty of Medicine
 Philip A. Kuhn, Francis Lee Higginson Professor of History and of East Asian Languages and Civilizations, Emeritus (*on leave fall term*)
 Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science (*on leave spring term*)
 David McCann, Korea Foundation Professor of Korean Literature
 Michael B. McElroy, Gilbert Butler Professor of Environmental Studies
 Robert D. Mowry, Senior Lecturer on History of Art and Architecture
 Stephen Owen, James Bryant Conant University Professor
 Elizabeth J. Perry, Henry Rosovsky Professor of Government
 Susan J. Pharr, Edwin O. Reischauer Professor of Japanese Politics
 Michael J. Puett, Professor of Chinese History
 J. Mark Ramseyer, Professor of Japanese Legal Studies (*Law School*)
 Mary M. Steedly, Professor of Anthropology
 Hue-Tam Ho Tai, Kenneth T. Young Professor of Sino-Vietnamese History
 Wei-Ming Tu, Harvard-Yenching Professor of Chinese History and Philosophy and of Confucian Studies
 Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies
 Richard H. K. Vietor, Senator John Heinz Professor of Environmental Management (*Business School*)
 David Der-Wei Wang, Edward C. Henderson Professor of Chinese Literature (*on leave fall term*)
 Eugene Wang, Abby Aldrich Rockefeller Professor of Asian Art
 James L. Watson, Harvard College Professor and John King and Wilma Cannon Fairbank Professor of Chinese Society (*on leave spring term*)
 Martin K. Whyte, Professor of Sociology

The Council on Asian Studies was created by resolutions of the Faculty of Arts and Sciences of April 12, 1972, and April 25, 2001. It exists to coordinate, advise, and promote teaching and research on Asia. It is comprised of faculty members from different departments of the FAS and from several schools of the University who study East Asia, Southeast Asia, South Asia, and Inner Asia. It oversees or advises several academic programs mentioned below, and it provides faculty oversight to the Harvard University Asia Center.

The AM program in Regional Studies—East Asia is supervised by the Council and is described below.

The AB Concentration in East Asian Studies is advised and supported by the Council, and is described under East Asian Languages and Civilizations. Courses on East Asian languages, early history, literature, and thought are listed under East Asian Languages and Civilizations.

Programs in South Asian Studies and in Inner Asian and Altaic Studies are advised and supported by the Council and are listed separately in the catalog.

Other courses in Asian Studies are listed under the Core Curriculum, Anthropology, Economics,



Government, History, History of Art and Architecture, Linguistics, Psychology, Sociology, the Study of Religion, and other departments.

The Harvard University Asia Center was created in 1997. Its Steering and Executive Committees are drawn from the Faculty of the Council on Asian Studies. The Center coordinates and supports research, teaching, and public programs on Asia throughout the University. The Center sponsors lectures, seminars, and conferences; supports faculty and student research; publishes books and journals; funds research and travel grants to undergraduate and graduate students; administers Harvard's National Resource Center for East Asian Studies, and manages the competition for Title VI Foreign Language and Area Studies Fellowships for graduate and professional students. The Center publishes a bi-weekly calendar of events during the Academic Year. The Center's main office is located in Coolidge Hall, on the third floor.

Faculty of the Standing Committee on the Degree of Master of Arts in Regional Studies–East Asia

David Der-Wei Wang, Edward C. Henderson Professor of Chinese Literature (*Chair*) (*on leave fall term*)

David McCann, Korea Foundation Professor of Korean Literature (*Acting Chair, fall term*)

Mikael Adolphson, Associate Professor of Japanese History

Yukio Lippit, Assistant Professor of History of Art and Architecture

Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science (*on leave spring term*)

Xiaofei Tian, Professor of East Asian Languages and Civilizations

The program in Regional Studies–East Asia, leading to a Master of Arts degree, is a basic preparation (1) for students who intend to go on to PhD work in an East Asian specialization; and (2) for students who wish to equip themselves for nonacademic work. The program, which normally requires two years for completion, aims to make the student broadly conversant with the societies of the region, and also to give him or her a sound knowledge of one of the languages of the area. Details may be obtained from the Committee's offices at 1730 Cambridge Street, Cambridge, MA, 02138 or 617-495-3777.

Faculty of the Standing Committee on the Degree of Doctor of Philosophy in History and East Asian Languages

Mark C. Elliott, Mark Schwartz Professor of Chinese and Inner Asian History (*Chair*)

Peter K. Bol, Charles H. Carswell Professor of East Asian Languages and Civilizations (*on leave fall term*)

Harold Bolitho, Professor of Japanese History (*on leave spring term*)

Carter J. Eckert, Yoon Se Young Professor of Korean History

Andrew Gordon, Lee and Juliet Folger Fund Professor of History

Henrietta Harrison, Professor of History

William C. Kirby, Edith and Benjamin Geisinger Professor of History

Shigehisa Kuriyama, Reischauer Institute Professor of Cultural History (*on leave spring term*)

Michael J. Puett, Professor of Chinese History



Hue-Tam Ho Tai, Kenneth T. Young Professor of Sino-Vietnamese History

As of 2006, the Standing Committee on the PhD in History and East Asian Languages is not accepting new applications to the program. Interested students should consult the listing for the Department of East Asian Languages and Civilizations under “Degree in History and East Asian Languages” in the Graduate School of Arts and Sciences Handbook.

Graduate Courses of Reading and Research

***Regional Studies — East Asia 300. Reading and Research**

Catalog Number: 4614

Members of the Committee

Designed to provide students with the opportunity to do reading and research in an approved area of their choice under the direction of a member of the Committee.

Note: Limited to students affiliated with the Regional Studies-East Asia program.

***Regional Studies — East Asia 310. Thesis Development**

Catalog Number: 8453

Members of the Committee

Designed to allow students to develop previous research or a previously written paper into the AM thesis, under the direction of an appropriate faculty advisor.

Note: Limited to students affiliated with the Regional Studies-East Asia program. Counts as course credit, but not towards the basic course requirements for the degree.

Astronomy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Astronomy

James M. Moran, Donald H. Menzel Professor of Astrophysics (*Chair and Head Tutor*)

Charles Alcock, Professor of Astronomy

David Charbonneau, Assistant Professor of Astronomy

Alexander Dalgarno, Phillips Professor of Astronomy

Douglas Finkbeiner, Assistant Professor of Astronomy

Bryan M. Gaensler, Associate Professor of Astronomy (*on leave 2006-07*)

Alyssa A. Goodman, Professor of Astronomy

Jonathan E. Grindlay, Paine Professor of Practical Astronomy

Lars Hernquist, Professor of Astronomy

John P. Huchra, Robert O. and Holly Thomis Doyle Professor of Cosmology



Robert P. Kirshner, Harvard College Professor and Clowes Professor of Science (*on leave 2006-07*)

Julia C. Lee, Assistant Professor of Astronomy

Abraham Loeb, Professor of Astronomy

Sydney Murray, Library Assistant III

Ramesh Narayan, Thomas Dudley Cabot Professor of the Natural Sciences

George B. Rybicki, Professor of the Practice of Astronomy

Dimitar D. Sasselov, Professor of Astronomy

Irwin I. Shapiro, Timken University Professor

Christopher Stubbs, Professor of Physics and of Astronomy

Patrick Thaddeus, Robert Wheeler Willson Professor of Applied Astronomy

Matias Zaldarriaga, Professor of Astronomy and of Physics

Other Faculty Offering Instruction in the Department of Astronomy

Lori E. Allen, Lecturer on Astronomy

Raymond Blundell, Lecturer on Astronomy

Thomas M. Dame, Lecturer on Astronomy

Rosanne DiStefano, Lecturer on Astronomy

Daniel G. Fabricant, Lecturer on Astronomy

Giovanni G. Fazio, Lecturer on Astronomy

Lincoln J. Greenhill, Lecturer on Astronomy

Matthew Holman, Lecturer on Astronomy

Kate Kirby, Lecturer on Astronomy

David W. Latham, Lecturer on Astronomy

Myron Lecar, Lecturer on Astronomy

Philip M. Sadler, Frances W. Wright Senior Lecturer on Celestial Navigation

Patrick O. Slane, Lecturer on Astronomy

David J. Wilner, Lecturer on Astronomy

Qizhou Zhang, Lecturer on Astronomy

Astronomy 1, 2, and Science A-35, A-36, A-47 provide a variety of approaches toward introducing the substance of astronomy and astrophysics to interested students. They are aimed at nonconcentrators with curiosity about the contents of the universe and its underlying organization. None of these courses presumes a knowledge of algebra more extensive than that used in a high school physics course. Astronomy 16 is aimed at freshman (and others) who are taking (or have taken) Physics 15a and are considering the concentration. Astronomy 97hf (the Introductory Tutorial) is open to sophomores and freshmen who are taking (or have taken) Physics 15a or the equivalent and are considering the concentration or a combined concentration. Astronomy 98hf and 99, Junior and Senior Tutorials, are intended for concentrators in Astronomy and Astrophysics, but are open in special cases to concentrators in other physical sciences. They provide an opportunity for close contact with the faculty and often result in significant research experience. Astronomy 45, 135, 145, 150, 191, 192, and 193 are intended primarily for concentrators in the physical sciences. Each of these courses uses the tools of mathematics and physics to reach an understanding of astronomical phenomena. Since the prerequisites for these courses include substantial preparation in physics and mathematics,



students with an interest in taking them or intending to concentrate in Astronomy and Astrophysics should make an effort to take Physics 15a,b,c and Mathematics 21a,b (or Mathematics 22a,b) at the earliest opportunity.

Primarily for Undergraduates

Astronomy 1. The Astronomical Universe

Catalog Number: 4287

Paola Caselli (INAF-Osservatorio Astrofisico di Arcetri, Firenze, Italy)

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

A general introductory course for non-science concentrators, which provides a basic understanding of the main phenomena in our Universe. Topics include the big bang, the evolution of the Universe and its composition, quasars and black holes, the formation of galaxies, stars and planets, the production of organic matter in space and its links to the origin of life. Basic principles of physics and observational astronomy will be given, but only elementary algebra is used.

Astronomy 2. Celestial Navigation

Catalog Number: 2179 Enrollment: Limited to 30.

Philip M. Sadler and assistants

Half course (fall term). Tu., 11:30–1:30, and Tu., 7–10 pm. EXAM GROUP: 13, 14

Never be lost again! Find your way on sea, land, or air by employing celestial and terrestrial techniques. Acquire expertise in using navigators' tools (sextant, compass, and charts) while learning the steps to the celestial dance of the sun, moon, stars, and planets. This 107-year-old course continues to rely on practical skills and collaborative problem-solving, while utilizing historical artifacts (instruments, maps, captains' logs) and student-built devices.

Note: Minimum lecturing; predominantly practical laboratory activities with individual attention from teaching staff. Math beyond high school trigonometry and geometry unnecessary. Some familiarity with sailing and/or astronomy is helpful.

[Astronomy 5. Planets Orbiting Other Stars] - (New Course)

Catalog Number: 9578

Half course (fall term). Hours to be arranged.

It is only recently that astronomers have succeeded in detecting planets orbiting nearby, Sun-like stars. The underlying architecture of many of these planetary systems is surprisingly different than that of the Solar system, an observation that has challenged our understanding of how planets form and evolve over time. We begin with a survey of the Solar system, to introduce the dominant physical processes at work within it, and to provide a context for the recent discoveries. We will study the techniques used to detect and characterize extrasolar planets, as well as the challenges that remain before we may attempt to detect an analog of the Earth. We will debate theories of planet formation as currently informed by these observations, and consider whether small, rocky, habitable planets are likely to prove a commonplace in the Galaxy.

Note: Expected to be given in 2007–08.

Prerequisite: Students without high-school level math or physics should have previously taken at least one of Science A-35, Science A-47 or Science A-54.



[Astronomy 7. Black Holes and the Violent Universe - \(New Course\)](#)

Catalog Number: 6873

Julia C. Lee

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Observations of the universe reveal a host of compact objects with deep gravitational potential wells: black holes, neutron stars, white dwarfs. A number of energetic phenomena are seen to be associated with these remarkable objects. The course will survey the field and will describe the underlying physical principles, including ideas from relativity, which allow us to understand the observations.

Prerequisite: Students without high-school level math or physics should have previously taken at least one of Science A-35, Science A-47, or Science A-54.

[Astronomy 16. Stars and Gas in the Milky Way](#)

Catalog Number: 8813

Douglas Finkbeiner

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Introduction to the astronomical principles underlying the behavior of our Galaxy and its components. Basic physical concepts will be applied to orbits, the solar system, stellar spectra, stellar evolution, supernovae, black holes, interstellar gas and Galactic structure. Involves a significant observational component: the Knowles Telescope at the Science Center will be used to study binary stars and asteroids, while the CfA millimeter telescope will be used to measure the mass of the Milky Way.

Prerequisite: Physics 15a, or equivalent, may be taken concurrently.

[*Astronomy 91r. Supervised Reading and Research](#)

Catalog Number: 1545

Lars Hernquist and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading and research in subjects not normally included in the regular course offerings of the department.

Note: Students must arrange for course supervision with an individual member of the department. The course may not be counted for the concentration requirements except by special permission and may not be taken more than twice.

[*Astronomy 97hf. Introductory Tutorial](#)

Catalog Number: 6604

Christopher Stubbs and members of the Department

Half course (throughout the year). F., 2–4.

Students will learn the basic techniques of astronomical data analysis, and how measurable properties of stars relate to their physical properties. This is a hands-on class with an introduction to the Unix operating system, to astronomical optics, to detectors, signal to noise considerations, and image analysis. Culminates in a project at the end of the course, and a written paper.

Note: Open to sophomore concentrators and others (including freshmen with Physics 15a or advanced placement) considering the concentration or a combined concentration.

Prerequisite: Physics 15a, b or equivalent (may be taken concurrently).



***Astronomy 98hf. Tutorial — Junior Year**

Catalog Number: 3121

*Irwin I. Shapiro and members of the Department
Half course (throughout the year). W., 2–4.*

Weekly lectures, assigned reading, and discussion meetings during the fall term, individually supervised program of reading and research leading to a paper and lecture on a chosen topic during the spring term.

Note: Normally a required course for junior concentrators in Astronomy. Open in special cases to concentrators in other physical sciences.

***Astronomy 99. Tutorial — Senior Year**

Catalog Number: 5413

*Irwin I. Shapiro and members of the Department
Full course. W., 2–4.*

For honors candidates in Astronomy. Individually supervised reading and research leading to the honors thesis.

Prerequisite: Astronomy 98hf.

Cross-listed Courses

[Science A-35. Matter in the Universe]

[Science A-36. Observing the Sun and the Stars]

Science A-47. Cosmic Connections

Science A-54. Life as a Planetary Phenomenon

For Undergraduates and Graduates

[*Astronomy 135. Planetary System Astronomy]

Catalog Number: 4850

Half course (spring term). Hours to be arranged.

Uses our solar system as an example to understand the origin and evolution of planetary systems in general. Topics include the formation and evolution of the sun; origin, structure, and evolution of solar system planets; planetary satellites; small bodies of the solar system (comets, asteroids, and meteorites); solar magnetic activity and its influence on the Earth and planets; planets orbiting other stars; and the possibilities of habitable environments in other planetary systems.

Note: Expected to be given in 2007–08.

Prerequisite: Physics 15a, b, c, or Physics 11a, b, and permission of the instructor.

Astronomy 145. Topics in Astrophysics

Catalog Number: 0212

Abraham Loeb

Half course (spring term). Tu., F., 10–11:30. EXAM GROUP: 3, 4, 12, 13

Discussion of a range of astrophysical systems and the physical processes that describe them.

Topics include: stellar structure; energy generation in stars; white dwarfs, neutron stars, and black holes; the interstellar medium and star formation; the structure of the universe; cosmology



and the Big Bang.

Prerequisite: Physics 143a (may be taken concurrently).

Astronomy 150. Radiative Processes in Astrophysics

Catalog Number: 8993

George B. Rybicki

Half course (fall term). M., W., 10–11:30. EXAM GROUP: 3, 4

Survey of radiative processes of astrophysical importance from radio waves to gamma rays. Thermal and non-thermal processes, including bremsstrahlung, synchrotron radiation, and Compton scattering. Radiation in plasmas. Atomic and molecular structure and spectra.

Prerequisite: Physics 143a (may be taken concurrently).

Astronomy 191. Astrophysics Laboratory

Catalog Number: 3615 Enrollment: Limited to 16.

Patrick Thaddeus

Half course (spring term). F., at 2. EXAM GROUP: 7

Laboratory and observational projects in astrophysics. Students choose two projects from a selection including: measurement of the cosmic microwave background radiation, molecules in interstellar clouds, the rotation of the galaxy, galactic molecular sources with the submillimeter Array (SMA), stars and clusters with the Knowles Telescope; and laboratory experiments including super-conducting submillimeter detectors, x-ray CCDs, and hard x-ray imaging detectors and telescopes.

Note: Primarily for concentrators in Astronomy and Astrophysics or combined concentrators with Physics. Students with Physics as their primary concentration, but with a serious interest in astrophysics, may take this to satisfy their laboratory requirement (in lieu of Physics 191) upon petition to the Head Tutor in Physics.

Prerequisite: Physics 15c or equivalent.

[Astronomy 192. Tools and Techniques of Astronomical Measurements]

Catalog Number: 4741

Christopher Stubbs

Half course (spring term). Hours to be arranged.

Presentation of physical principles and techniques used for detection across the frequency domain of both electromagnetic and gravitational radiation. Description and analysis of the corresponding tools used for detection, including telescopes and basic instrumentation, present and (near-term) future. Discussion of different types of measurements—intensity, imaging, spectroscopic, polarimetric, astrometric, and interferometric—throughout the electromagnetic spectrum, including related parameter estimation and error analyses.

Note: Expected to be given in 2007–08.

Prerequisite: Physics 15a, b, c and Applied Mathematics 105 (or equivalents).

Astronomy 193. Noise and Data Analysis in Astrophysics

Catalog Number: 4495

James M. Moran

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

How to design experiments and get the most information from noisy, incomplete, flawed, and



biased data sets. Basics of probability theory; Bernoulli trials; Bayes theorem; random variables; distributions; functions of random variables; moments and characteristic functions; Fourier transform analysis; Stochastic processes; estimation of power spectra. Digital data processing: sampling theorem, filtering; fast Fourier transform; spectrum of quantized data sets. Weighted least mean squares analysis and nonlinear parameter estimation. Noise processes in periodic phenomena. Image processing and restoration techniques.

Prerequisite: Mathematics 21b or equivalent.

Cross-listed Courses

[Applied Mathematics 111. Introduction to Scientific Computing](#)

[[Earth and Planetary Sciences 121. Terrestrial Planets](#)]

[[Earth and Planetary Sciences 238 \(formerly Earth and Planetary Sciences 206\).](#)

[Spectroscopy and Radiative Transfer of Atmospheres](#)]

[Earth and Planetary Sciences 250. Topics in Planetary Sciences](#)

[[Earth and Planetary Sciences 264r. Topics in Planetary Magnetism](#)]

[Physics 191r. Advanced Laboratory](#)

Primarily for Graduates

These courses are primarily aimed at graduate students in astronomy, although properly prepared undergraduates and graduate students from other fields are welcome. The required graduate core course are Astronomy 150, 201a and b, and 202a and b, while a wide range of advanced courses is available for further work. Courses may be available as reading courses at times other than those shown, by arrangement with the instructor. Graduate students in Astronomy are required to take one graduate Physics course selected from Physics 210 or 251a (or Astronomy 251). More advanced Physics courses may be substituted upon petition to the Committee on Academic Studies.

[Astronomy 200hf. Seminar in Modern Astrophysics and Cosmology](#)

Catalog Number: 8574

Charles Alcock and Lars Hernquist

Half course (throughout the year). W., at 3. EXAM GROUP: 8

Graduate seminar on topical areas in modern astrophysics and cosmology. Each term a different topic of current special interest is selected. Participants in this seminar discuss papers given by seminar members (in rotation). Several faculty members also participate.

Note: Participation for two terms is required to obtain credit.

[Astronomy 201a. Stellar and Planetary Astrophysics](#)

Catalog Number: 4303

Dimitar D. Sasselov

Half course (fall term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

Stars are studied as the elementary baryonic building blocks of the Universe, and the main source of the evolution of baryonic matter (nucleosynthesis). Planetary systems are studied in terms of the stellar environments for their formation and survival.



Astronomy 201b. Interstellar Medium and Star Formation

Catalog Number: 4206

Irwin I. Shapiro

Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

Nature of the Interstellar Medium (ISM): composition, energetics, densities and interactions; observations and theory. Processes leading to the formation of stars and planets, as well as studies of the feedback on the ISM from stellar deaths.

[Astronomy 202a. Galaxies and Dynamics]

Catalog Number: 8237

Abraham Loeb and Matias Zaldarriaga

Half course (fall term). Hours to be arranged.

An observational and theoretical overview of extragalactic astronomy with emphasis on dynamics. The cosmological framework, galaxy morphology and structure, galactic dynamics, galactic content, gas dynamics, galaxy formation and evolution, galaxy populations and properties and clustering.

Note: Expected to be given in 2007–08.

[Astronomy 202b. Cosmology]

Catalog Number: 2446

Abraham Loeb and Matias Zaldarriaga

Half course (spring term). Hours to be arranged.

The cosmological principle: isotropy and homogeneity, cosmological world models, thermal history of the Big Bang, the microwave background, growth of density fluctuations, formation and evolution of galaxies, active galactic nuclei, large scale structure, structure of galaxies, and clusters of galaxies.

Note: Expected to be given in 2007–08.

[Astronomy 218. Radio Astronomy]

Catalog Number: 2883

James M. Moran

Half course (fall term). Hours to be arranged.

Historical development; theory of antennas and interferometers; signal detection and measurement techniques. Thermal, synchrotron and spectral-line emission in the context of radio observations of the sun, planets, pulsars, masers, hydrogen clouds, molecular clouds, ionized regions, active galaxies, quasars, and cosmic background.

Note: Expected to be given in 2007–08.

Prerequisite: Astronomy 150 or Physics 153 recommended.

Astronomy 219. High Energy Astrophysics

Catalog Number: 1858

Jonathan E. Grindlay and Ramesh Narayan

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Discussion of relativistic and high-energy astrophysical phenomena and observational techniques. Accretion onto compact stars (white dwarfs, neutron stars, black holes); active



galactic nuclei, galaxy clusters. Gamma-ray bursts and cosmic rays. X-ray and gamma-ray background.

[Astronomy 225. Formation of Stars and Planets]

Catalog Number: 0983

Alyssa A. Goodman

Half course (spring term). Hours to be arranged.

Physical properties of interstellar medium, molecular clouds and their cores, young stellar objects in isolation and in clusters, dynamical processes in star formation and circumstellar disk evolution, properties of the primitive solar nebula and solar system development, extrasolar planetary systems.

Note: Expected to be given in 2007–08.

Astronomy 251. Quantum Mechanics for Astrophysics

Catalog Number: 5381

Alexander Dalgarno and Kate Kirby

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Quantum mechanics with applications to atomic and molecular processes important in astronomical environments. Atomic and molecular structure; spectroscopy (selection rules, oscillator strengths, photoionization); scattering theory (elastic, inelastic, approximate methods); line broadening; collision processes (cross sections, rate coefficients) involving electrons, ions, atoms, and molecules.

Prerequisite: Physics 143a or the equivalent, or permission of instructor.

Cross-listed Courses

Applied Mathematics 205. Practical Scientific Computing

Physics 210. General Theory of Relativity

Physics 251a. Advanced Quantum Mechanics I

Graduate Courses of Reading and Research

Unless otherwise specified, these courses are given fall term, repeated spring term.

***Astronomy 300. Topics in Modern Astrophysics**

Catalog Number: 7915

Charles Alcock 5194, Lori E. Allen 5704, Raymond Blundell 2753, David Charbonneau 5225, Alexander Dalgarno 1157, Thomas M. Dame 2755, Rosanne DiStefano 1508, Daniel G. Fabricant 3711, Giovanni G. Fazio 1143, Bryan M. Gaensler 4493 (on leave 2006-07), Alyssa A. Goodman 3348, Lincoln J. Greenhill 4490, Jonathan E. Grindlay 4593, Lars Hernquist 4250, Matthew Holman 1260, John P. Huchra 6271, Robert P. Kirshner 1071 (on leave 2006-07), David W. Latham 3716, Myron Lecar 1026, Julia C. Lee 5305 (spring term only), Abraham Loeb 3349, Jeffrey E. McClintock 2108 (spring term only), James M. Moran 4090, Ramesh Narayan 2871, George B. Rybicki 3734, Dimitar D. Sasselov 1020, Irwin I. Shapiro 7660, Patrick O. Slane 4838, Christopher Stubbs 4856, Patrick Thaddeus 1398, David J. Wilner 2855, Matias Zaldarriaga 4603, and Qizhou Zhang 4477

A seminar, reading, or research course may be arranged with any of the faculty listed. Students



can also arrange to obtain Astronomy 300 credit for reading or research with scientific staff members of the Harvard-Smithsonian Center for Astrophysics; consult Astronomy Department office.

***Astronomy 301hf. Research Forum**

Catalog Number: 5224

Alyssa A. Goodman 3348

Half course (throughout the year). Tu., 4–5:30.

Each week, a speaker (ordinarily faculty in the Fall and students in the Spring) will describe a work-in-progress. Forum participants will discuss the ongoing work with the presenter, offering both questions and suggestions.

Note: Intended both as an opportunity for substantive discussion, and as training in the clear presentation of scientific ideas. No visual aids other than a blackboard and a one-page handout will be allowed (e.g. no PowerPoint).

***Astronomy 302. Scientists Teaching Science**

Catalog Number: 9869

Philip M. Sadler 2231

Half course (spring term). Tu., 2–3:30.

Learn the secrets of lecturing well, leading discussions, connecting to real-world applications, and creating tests in any scientific discipline as we focus on relevant educational research and case studies, plus engage in practical classroom activities.

Note: Open to graduate students in all areas of science and uses activities to draw upon research findings from the life, earth, and physical sciences.

Prerequisite: Experience as an instructor of science or as a teaching fellow.

Cross-listed Courses

***Statistics 310hfr. Topics in Astrostatistics**

Biological Sciences

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

In conjunction with changes in the Life Sciences concentrations, the courses from the Biological Sciences section of the catalog have been renamed and relocated.

Courses designated as Life Sciences can be found in the Life Sciences chapter.



Biological Sciences 52, 54, 56, 60, 80, and 205 are now MCB 52, 54, 56, 60, 80, and 205 and can be found in the Molecular and Cellular Biology chapter. This section also lists Biochemical Sciences 91r and 99, the Biology 95hf tutorials, Biology 91r and 99r, Biology 200r, and all MCB courses.

Biological Sciences 53, 55, and 57 are now OEB 53, 55, and 57 and can be found, along with all OEB courses, in the Organismic and Evolutionary Biology chapter.

Research courses (91r and 99) can be found within the individual sections for each of the Life Sciences concentrations: Chemistry, Chemical and Physical Biology, Human Evolutionary Biology, Molecular and Cellular Biology, Neurobiology, and Organismic and Evolutionary Biology. Equivalent courses can be found in Anthropology (for Biological Anthropology) and Psychology.

Biological Sciences in Dental Medicine

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Dental Medicine

Bjørn R. Olsen, Professor of Developmental Biology and Hersey Professor of Cell Biology
(*Dental School, Medical School*) (*Chair*)

John D. Bartlett, Assistant Professor of Developmental Biology (*Dental School*)

Joyce E. Bischoff, Associate Professor of Surgery (*Medical School*)

Patricia A. D'Amore, Professor of Ophthalmology (*Medical School*)

Floyd E. Dewhirst, Professor of Oral Medicine, Infection, and Immunity (*Medical School*)

Daniel Finley, Professor of Cell Biology (*Medical School*)

David E. Fisher, Professor of Pediatrics (*Medical School*)

James Hanken, Professor of Biology and Herpetology and Alexander Agassiz Professor of Zoology in the Museum of Comparative Zoology (*on leave fall term*)

Peter V. Hauschka, Associate Professor of Developmental Biology (*Dental School*)

Martin E. Hemler, Professor of Pathology (*Medical School*)

Michael Klagsbrun, Patricia A. Donahue Professor of Surgery (*Medical School*)

Henry M. Kronenberg, Professor of Medicine (*Medical School*)

Beate K. M. Lanske, Associate Professor of Oral Biology (*Dental School*)

Andrew B. Lassar, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Michael Levin, Professor of Biological Chemistry and Molecular Pharmacology (*Dental School*)

Yefu Li, Assistant Professor of Developmental Biology (*Dental School*)

Yi-Ping Li, Assistant Professor of Developmental Biology (*Dental School*)



Henry C. Margolis, Associate Professor of Developmental Biology (*Dental School*)
Alan M. Michelson, Associate Professor of Medicine (*Medical School*)
Bruce J. Paster, Professor of Oral Medicine, Infection, and Immunity (*Dental School*)
Vicki Rosen, Professor of Developmental Biology (*Dental School*)
Charles N. Serhan, Simon Gelman Professor of Anaesthesia (*Medical School*)
Philip P. Stashenko, Associate Professor of Oral Medicine, Infection, and Immunity (*Dental School*)
Martin A. Taubman, Professor of Developmental Biology (*Dental School*)
Malcolm Whitman, Professor of Developmental Biology (*Dental School*)

The Biological Sciences in Dental Medicine (BSDM) Program, leading to the PhD degree combines faculty from the Department of Oral and Developmental Biology and other Harvard School of Dental Medicine departments with faculty from basic science departments at Harvard Medical School, and faculty from the Faculty of Arts and Sciences.

This program offers advanced study in the molecular, supramolecular, cellular, and supracellular processes that provide the intellectual basis for dental medicine.

The BSDM program is intended for scholars interested in pursuing a career in basic or patient-oriented science in the areas of skeletal biology, cell biology and development, immunology, or microbiology leading to a PhD degree. Eligible applicants will be individuals with a baccalaureate in sciences (BS), a master degree in sciences, (MS), a doctoral degree in dentistry, (DMD, DDS), or a medical doctoral degree (MD).

Graduate Courses of Reading and Research

***Biological Sciences in Dental Medicine 300. Research with Faculty**

Catalog Number: 9825

Members of the Committee

Biological Sciences in Public Health

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Public Health Sciences

James H. Ware, Frederick Mosteller Professor of Biostatistics (*Public Health*) (*Chair*) (*ex officio*)

Bruce F. Demple, Professor of Toxicology (*Public Health*)

Thomas O. Fox, Associate Professor of Neuroscience (*Medical School*)



Laurie H. Glimcher, Professor of Medicine (*Medical School*) and Irene Heinz Given Professor of Immunology (*Public Health*)

Michael Grusby, Professor of Molecular Immunology (*Public Health*) and Associate Professor of Medicine (*Medical School*)

J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences

Nan Laird, Professor of Biostatistics (*Public Health*)

Xiao-Li Meng, Professor of Statistics

Carl N. Morris, Professor of Statistics (*on leave fall term*)

Louise M. Ryan, Henry Pickering Walcott Professor of Biostatistics (*Public Health*)

Faculty of the Subcommittee on the Doctor of Philosophy in Biological Sciences in Public Health

Michael Grusby, Professor of Molecular Immunology (*Public Health*) and Associate Professor of Medicine (*Medical School*) (*Chair*)

Bruce F. Dimple, Professor of Toxicology (*Public Health*)

Douglas W. Dockery, Professor of Environmental Epidemiology (*Public Health*) and Associate Professor of Medicine (*Medical School*)

Raymond L. Erikson, American Cancer Society Professor of Cellular and Developmental Biology

Thomas O. Fox, Associate Professor of Neuroscience (*Medical School*)

Laurie H. Glimcher, Professor of Medicine (*Medical School*) and Irene Heinz Given Professor of Immunology (*Public Health*)

J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences

Gokhan S. Hotamisligil, James Stevens Simmons Professor of Genetics and Metabolism (*Public Health*)

Bjørn R. Olsen, Professor of Developmental Biology and Hersey Professor of Cell Biology (*Dental School, Medical School*)

Walter C. Willett, Professor of Medicine (*Medical School*) and Frederick John Stare Professor of Epidemiology and Nutrition (*Public Health*)

Dyann F. Wirth, Professor of Tropical Public Health (*Public Health*)

Other Faculty Offering Instruction in Biological Sciences in Public Health

Robert B. Banzett, Associate Professor of Medicine and Associate Professor of Environmental Health (*Medical School, Public Health*)

Joseph D. Brain, Cecil K. and Phillip Drinker Professor of Environmental Physiology (*Public Health*)

Barbara Burleigh, Associate Professor of Immunology and Infectious Diseases (*Public Health*)

James Preston Butler, Associate Professor of Medicine (*Medical School*)

Hannia Campos, Associate Professor of Nutrition (*Public Health*)

David Christiani, Professor of Medicine (*Medical School*)

Manoj T. Duraisingh, Assistant Professor of Infectious Diseases (*Public Health*)

Myron Essex, Mary Woodard Lasker Professor of Health Sciences (*Public Health*)

Albert J. Fornace, Research Professor of Genetics and Complex Diseases (*Public Health*)

Jeffrey J. Fredberg, Professor of Bioengineering and Physiology (*Public Health*)



Marcia Goldberg, Associate Professor of Medicine (*Medical School*)
 Beatriz Susana Gonzalez-Flecha, Mark and Catherine Winkler Assistant Professor of Molecular Biology and Environmental Health (*Public Health*)
 Donald A. Harn, Professor of Tropical Public Health (*Public Health*)
 Howard Hu, Associate Professor of Occupational Medicine (*Public Health*) and Associate Professor of Medicine (*Medical School*)
 David J. Hunter, Professor of Epidemiology and Nutrition (*Public Health*)
 Phyllis J. Kanki, Professor of Immunology and Infectious Diseases (*Public Health*)
 Karl Kelsey, Professor of Environmental Health and Cancer Biology (*Public Health*) and Associate Professor of Medicine (*Medical School*)
 Lester Kobzik, Associate Professor of Pathology (*Medical School*) and Associate Professor of Environmental Health (*Public Health*)
 Roberto G. Kolter, Professor of Microbiology and Molecular Genetics (*Medical School*)
 Igor Kramnik, Associate Professor of Immunology (*Public Health*)
 Chih-Hao Lee, Assistant Professor of Genetics and Complex Diseases (*Public Health*)
 Tun-Hou Lee, Professor of Virology (*Public Health*)
 Marc Lipsitch, Assistant Professor of Epidemiology (*Public Health*)
 Clifford Lo, Assistant Professor of Pediatrics (*Medical School*) and Assistant Professor of Nutrition (*Public Health*)
 Brendan D. Manning, Assistant Professor of Genetics and Complex Diseases (*Public Health*)
 Donald K. Milton, Assistant Professor of Occupational Medicine (*Public Health*)
 Joseph P. Mizgerd, Associate Professor of Physiology and Cell Biology (*Public Health*)
 Karl Münger, Associate Professor of Medicine (*Medical School*)
 Heather H. Nelson, Assistant Professor of Environmental Epidemiology (*Public Health*)
 Guy L. Reed III, Associate Professor of Medicine (*Medical School*) and Associate Professor of Immunology (*Public Health*)
 Eric J. Rubin, Associate Professor of Immunology and Infectious Diseases (*Public Health*) and Assistant Professor of Medicine (*Medical School*)
 Frank M. Sacks, Professor of Medicine (*Medical School*) and Professor of Nutrition (*Public Health*)
 Stephanie A. Shore, Senior Lecturer of Physiology (*Public Health*)
 Thomas Jay Smith, Professor of Industrial Hygiene (*Public Health*)
 Joseph G. Sodroski, Professor of Pathology (*Medical School*) and Professor of Cancer Biology (*Public Health*)
 Marianne Wessling-Resnick, Professor of Nutritional Biochemistry (*Public Health*)
 Dieter Wolf, James Stevens Simmons Associate Professor of Molecular Oncology (*Public Health*)
 Zhi-Min Yuan, James Stevens Simmons Associate Professor of Toxicology (*Public Health*)

The FAS Standing Committee on Higher Degrees in Public Health Sciences has the general responsibility of overseeing the existing PhD degree programs in biological sciences and biostatistics and developing new PhD programs in other important domains of public health.

The committee is composed of representatives from the Faculty of Arts and Sciences, the School of Public Health, and the Medical School. The committee membership is drawn from the biological and numeric sciences to reflect the current PhD programs. As new programs are



created in the future, members representing other relevant disciplines will be added to the committee.

The committee works with the Subcommittee on the Degree of Doctor of Philosophy in Biological Sciences and the Subcommittee on the Degree of Doctor of Philosophy in Biostatistics to make policy decisions and ensure the continuing strengths of those programs. The committee is also charged with initiating discussion of and planning for additional PhD programs.

The Subcommittee on the Degree of Doctor of Philosophy in Biological Sciences in Public Health (with membership from the Faculty of Arts and Sciences, the Medical School, and the School of Public Health) and the Subcommittee on the Degree of Doctor of Philosophy in Biostatistics (with membership from the Faculty of Arts and Sciences and the School of Public Health) hold responsibility for oversight of their respective programs, including monitoring requirements and standards for the degree and creating standards for admission.

For more courses of interest, see the School of Public Health catalog.

Primarily for Graduates

***BPH 205. Introduction to Cancer Biology**

Catalog Number: 6234 Enrollment: Limited to 30.

Zhi-Min Yuan (Public Health), Bruce F. Dimple (Public Health), Albert J. Fornace (Public Health), Brendan D. Manning (Public Health), and Dieter Wolf (Public Health)

Half course (fall term). M., F., 1:30–3:20. EXAM GROUP: 6, 7

Emphasizes current experimental approaches to studying cancer biology and the process of carcinogenesis. Topics include the biology of cell modification and differentiation, the phenotype of the cancer cell, properties of human and animal cancers, the process of cell transformation, mutagenesis, carcinogen metabolism, and cancer epidemiology.

Note: Offered jointly with the School of Public Health as GCD 210.

Prerequisite: College-level course in biology required.

BPH 206. Advanced Respiratory Physiology

Catalog Number: 1049

James Preston Butler (Medical School) and Robert B. Banzett (Medical School, Public Health)

Half course (fall term). M., W., 9–10:20. EXAM GROUP: 2, 3

Respiratory measurements are an integral part of public health research. We will critically discuss their scientific bases, noting practical considerations and pitfalls, and their interpretations and inferences about physiological status and disease.

Note: Offered jointly with the School of Public Health as EH 223.

Prerequisite: EH 205 or equivalent, or signature of instructor indicating suitable background required. College-level physiology.

BPH 207. Advanced Topics in Physiology

Catalog Number: 2146

Jeffrey J. Fredberg (Public Health)



Half course (spring term). M., 10:30–12:20, W., 3:30–5:20. EXAM GROUP: 3, 4, 8

An opportunity for students interested in the respiratory system to focus on special topics in lung biology. This year's emphasis is on the fundamental physical basis and quantitative description of chemical, electrical, and mechanical signaling within the cell. Specific topics covered include passive diffusion, facilitated diffusion, solvent and solvent transport, channels, action potentials, membrane transport, and receptor-ligand binding.

Note: Offered jointly with the Medical School as BPH 727.0 and with the School of Public Health as EH 225.

BPH 208. Human Physiology

Catalog Number: 3627

Stephanie A. Shore (Public Health)

Half course (fall term). M., W., 10:30–12:20. EXAM GROUP: 3, 4, 5

An introduction to the principles governing function in the human body designed to provide a framework in physiology for future public health researchers and professionals who have not taken college level physiology courses. Emphasis on the concept of homeostasis and on integrative aspects of physiology. Examples of pathophysiology and environmental physiology highlight these processes.

Note: Offered jointly with the School of Public Health as EH 205.

Prerequisite: College-level introductory biology or permission of the instructor.

BPH 210. Pathophysiology of Human Disease

Catalog Number: 3078

Lester Kobzik (Public Health)

Half course (spring term). M., F., 1:30–3:20. EXAM GROUP: 6, 7

Surveys major human disease problems in the cardiovascular, respiratory, hematopoietic, reproductive and gastrointestinal systems. Emphasis on understanding the pathophysiologic basis of common disease manifestations and the pathogenesis of the disease process.

Note: Offered jointly with the Medical School as BPH 729.0 and with the School of Public Health as ID 208.

Prerequisite: A college-level human physiology course.

[*BPH 212. Cellular and Molecular Biology of Parasites]

Catalog Number: 0703 Enrollment: Limited to 35.

Barbara Burleigh (Public Health) and members of the Department

Half course (spring term). Hours to be arranged.

We cover aspects of biochemistry, cell and molecular biology of protozoan parasites of humans, including: malaria, toxoplasma, leishmania, trypanosomes, amoeba and giardia. Includes in-depth discussions on comparative mechanisms of pathogenesis; unique parasite biochemistry and organelles; strategies/ molecular basis for host immune invasion; bioinformatics approaches to molecular pathogenesis.

Note: Expected to be given in 2007–08. Given in alternate years. Offered jointly with the Medical School as BPH 721.0 and with the School of Public Health as IMI 216.

Prerequisite: Coursework in biochemistry, genetics, or microbiology.



BPH 213. Cell Response to Mutagens and Carcinogens

Catalog Number: 0932

Bruce F. Demple (Public Health)

Half course (fall term). Tu., Th., 1:30–3:20. EXAM GROUP: 15, 16, 17

A seminar course based on emerging research on the molecular effects of mutagenic, carcinogenic, and cytotoxic agents. Particular focus on the cellular mechanisms that preserve biological integrity (e.g., cell cycle checkpoints; DNA repair) or mediate cellular responses to stress (e.g., redox signal transduction; apoptosis pathways). Involves analysis and critical discussion of research papers. Written assignments in developing relevant research projects (mini-grant proposals).

Note: Given in alternate years. Offered jointly with the School of Public Health as GCD 250.

Prerequisite: Advanced or graduate courses in biochemistry, cell biology, or genetics.

BPH 215. Principles of Toxicology

Catalog Number: 5366

A. Wallace Hayes (Public Health) and Joseph D. Brain (Public Health)

Half course (fall term). Tu., Th., 1:30–3:20, Tu., 3:30–5:20. EXAM GROUP: 15, 16, 17, 18

Emphasizes mechanisms of injury and clinical consequences following exposures to environmental and occupational chemicals. Examines actions at the molecular, cellular, organ system, and organismal levels. Discusses methods for detecting, evaluating, analyzing, and combating toxic effects.

Note: Offered jointly with the School of Public Health as EH 504.

Prerequisite: Organic chemistry and mammalian physiology or equivalent.

***BPH 216. Immunology of Infectious Diseases**

Catalog Number: 6938 Enrollment: Limited to 35.

Donald A. Harn (Public Health) and guest lecturers

Half course (spring term). Tu., 3:30–5:20. EXAM GROUP: 17, 18

Covers in detail the interactions of pathogens with the host immune system, including innate and protective responses and those immune responses that are deleterious. Topics include: overview of immune responses; response of mucosal-secretory immune system to pathogens; innate immunity “the collectins”; innate immunity “Th2 PAMPs”; pathogen regulation of host immune responses; pathogen evasion of immune effector mechanisms; polarization of CD4+ T helper cell subsets and relationship to disease outcome; resistance to HIV; HIV and co-infection with other pathogens; mechanisms of immunopathogenesis; and development of vaccines. Pathogens covered in detail include: HIV, cholera, TB, staph/strep, toxoplasma, intestinal protozoa, malaria, helminths.

Note: Given in alternate years. Offered jointly with the Medical School as BPH 724.0 and the School of Public Health as IMI 208. Each lecture requires reading several relevant papers and completion of a problem set.

Prerequisite: An immunology course.

***BPH 219. Biological Sciences Seminars**

Catalog Number: 1152

Michael Grusby (Public Health, Medical School)

Half course (fall term). Tu., Th., 9–10:20. EXAM GROUP: 11, 12



Faculty present seminars on their current research in the biological sciences and direct a student discussion of the logic and experimental design of this research. Topics include chemical and viral carcinogenesis, DNA damage and repair, immunology, molecular biology, metabolism, cardiovascular disease, parasitology, and how these areas apply to public health issues.

Note: Required for first-year students in the BPH program. Offered jointly with the School of Public Health as DBS 205.

BPH 222. The Science of Human Nutrition

Catalog Number: 0216

Frank M. Sacks (Medical School, Public Health), Clifford Lo (Medical School, Public Health) and members of the Department

Half course (spring term). Tu., Th., 1:30–3:20. EXAM GROUP: 15, 16

A review of the biochemistry of carbohydrates, fats, proteins, vitamins, and minerals in the context of human disease. Contemporary topics are emphasized. Particular emphasis given to current knowledge of the mechanisms that may explain the role of diet in the causation and/or prevention of ischemic heart disease, diabetes, obesity, hypertension, and cancer. Recommended dietary intakes of selected nutrients are discussed in order to understand their limitations.

Note: Offered jointly with the Medical School as BPH 733.0 and with the School of Public Health as NUT 202.

Prerequisite: Introductory nutrition course. Prior familiarity with nutrition and the health sciences expected, as well as a basic knowledge of biochemistry and human physiology.

Graduate Courses of Reading and Research

***BPH 300. Laboratory Rotations**

Catalog Number: 8441

Michael Grusby (Public Health, Medical School) 1987 and members of the Committee
Members of the Division of Biological Sciences offer hands-on experimental methods of research in the biological sciences.

Note: Offered jointly with the School of Public Health as DBS 300.

***BPH 302. Molecular Regulation of Thrombosis**

Catalog Number: 2731

Guy L. Reed III 1615

***BPH 304. Study of Workplace Mutagen and Carcinogen Exposure**

Catalog Number: 2734

Karl Kelsey (Public Health, Medical School) 2316

***BPH 307. Cellular Defenses Against Oxygen Radical Damage**

Catalog Number: 2758

Bruce F. Demple (Public Health) 7853

***BPH 312. Regulation of the Cellular Uptake of Macromolecular Nutrients**

Catalog Number: 2736

Marianne Wessling-Resnick (Public Health) 1315



***BPH 315. Molecular Genetic Analysis of Gene Expression and Drug Resistance in Parasitic Protozoan, Including Leishmania and Malaria**

Catalog Number: 2756

Dyann F. Wirth (Public Health) 2492

BPH 316. Immunology and Molecular Biology of *Schistosoma mansoni

Catalog Number: 2737

Donald A. Harn (Public Health) 2051

***BPH 317. Gene-Environment Interactions in Human Lipoprotein Metabolism**

Catalog Number: 2541

Hannia Campos (Public Health) 2710

***BPH 319. Signaling Mechanisms of Peptide Hormones, Genetic and Molecular Basis of Obesity and Diabetes**

Catalog Number: 8425

Gokhan S. Hotamisligil (Public Health) 2725

***BPH 322. Study of Epidemiologic and Biological Characteristics of HIV Viruses in Africa**

Catalog Number: 4523

Phyllis J. Kanki (Public Health) 2270

***BPH 323. Human Lipoprotein Metabolism: Biochemistry and Metabolic Modeling**

Catalog Number: 5530

Frank M. Sacks 2276

***BPH 324. Protein Phosphorylation and Gene Expression in Normal and Transformed Cells**

Catalog Number: 5915

Raymond L. Erikson 7506

***BPH 325. Assessment of the Impact of Workplace Pollutants on Health**

Catalog Number: 7448

David Christiani (Public Health, Medical School) 1514

***BPH 330. Advanced Topics in Biological Sciences in Public Health**

Catalog Number: 3976

Marianne Wessling-Resnick (Public Health) 1315

A series of discussion and seminars each running for a half term (7-8 weeks).

***BPH 331. Perception of Afferent Information from the Respiratory System**

Catalog Number: 3655

Robert B. Banzett (Medical School, Public Health) 1310



***BPH 332. Function and Structure of Pulmonary and Hepatic Macrophages**

Catalog Number: 7331

Joseph D. Brain (Public Health) 2520

***BPH 334. Molecular Basis of Host Cell Invasion, Signaling and Differentiation by the Human Pathogen, Trypanosoma cruzi**

Catalog Number: 2409

Barbara Burleigh (Public Health) 2763

***BPH 336. Study of Human and Primate T-lymphotrophic Retroviruses Including Agents that Cause AIDS**

Catalog Number: 3248

Myron Essex (Public Health) 2499

***BPH 339. Mechanical Basis of Airway and Lung Parenchymal Function**

Catalog Number: 6572

Jeffrey J. Fredberg (Public Health) 1303

***BPH 340. Genetic Regulation of Immune Response**

Catalog Number: 3323

Laurie H. Glimcher (Public Health, Medical School) 1362

***BPH 341. Pathways of Oxidant-dependent Promotion of Cell Growth in Lung Epithelial Cells**

Catalog Number: 9308

Beatriz Susana Gonzalez-Flecha (Public Health) 2715

***BPH 342. In Vivo Models of Immune Deficiency by Homologous Recombination in ES Cells**

Catalog Number: 2309

Michael Grusby (Public Health, Medical School) 1987

***BPH 343. Molecular Mechanism of Cellular Circadian Regulation**

Catalog Number: 7740

J. Woodland Hastings 1311

***BPH 345. Lung Macrophage Differentiation and Function**

Catalog Number: 1495

Lester Kobzik (Medical School, Public Health) 1313

***BPH 346. Genetic Dissection of Mechanisms of Host Susceptibility to Tuberculosis**

Catalog Number: 1041

Igor Kramnik (Public Health) 2768



***BPH 348. Human and Related Primate Retroviruses**

Catalog Number: 3024

Tun-Hou Lee (Public Health) 2769

***BPH 352. Regulation of Acute Inflammatory Responses by Signaling Molecules**

Catalog Number: 5578

Joseph P. Mizgerd (Public Health) 2787

***BPH 353. Human Papillomaviruses (HPV's): the Cause of Hyperplastic Skin-leisions**

Catalog Number: 6469

Karl Münger (Medical School) 1586

***BPH 354. Molecular Studies of Skeletal and Vascular Morphogenesis**

Catalog Number: 8067

Bjørn R. Olsen (Dental School, Medical School) 1164

***BPH 357. Physiological and Pharmacological Aspects of Bronchoconstriction.**

Catalog Number: 5047

Stephanie A. Shore (Public Health) 1304

***BPH 358. Human Immunodeficiency Virus Envelope Glycoproteins and Vaccine Development**

Catalog Number: 0241

Joseph G. Sodroski (Medical School, Public Health) 1712

***BPH 359. Relations of Dietary Factors to the Occurrence of Human Disease**

Catalog Number: 8215

Walter C. Willett (Public Health, Medical School) 1805

***BPH 360. DNA Replication and Control of Normal and Abnormal Cell Growth**

Catalog Number: 1395

Dieter Wolf (Public Health) 2781

***BPH 362. Delineation of Biochemical and Molecular Basis of Stress Induced Responses**

Catalog Number: 4140

Zhi-Min Yuan (Public Health) 9265

***BPH 363. Inherited Susceptibility to Cancer and other Diseases**

Catalog Number: 9066

David J. Hunter (Public Health) 3844

***BPH 364. Molecular Biology of Bacterial Interactions; Peptide Production and Release; Growth Phase Regulation of Gene Expression**

Catalog Number: 6936

Roberto G. Kolter (Medical School) 7727



***BPH 365. Virulence Factors of Mycobacteria; Acquisition of Virulence Determinants of *Vibrio Cholerae*; Generalized Mutagenesis Systems for Bacteria**

Catalog Number: 5044

Eric J. Rubin (Public Health) 4084

***BPH 366. Theoretical, Statistical, and Experimental Approaches to Population Biology and the Epidemiology of Infectious Diseases**

Catalog Number: 7822

Marc Lipsitch (Public Health) 4097

BPH 368. Host-pathogen Interactions of *Shigella

Catalog Number: 6995

Marcia Goldberg (Medical School) 3783

***BPH 369. Metals Toxicity and Gene-Metal Interactions**

Catalog Number: 8600

Howard Hu 4322

***BPH 370. Environmental Exposures for Studies in Health Effects, and Investigation of the Relationship Between Environmental Exposure and Internal Dose**

Catalog Number: 5653

Thomas Jay Smith (Public Health) 4337

***BPH 372. Molecular Mechanisms Underlying the Pathogenesis of Human Malaria**

Catalog Number: 2598

Manoj T. Duraisingh (Public Health) 5177

***BPH 373. Skin Cancer: New Models and Risk Assessments**

Catalog Number: 2988

Heather H. Nelson (Public Health) 5196

***BPH 374. Nuclear Lipid Receptors as Therapeutic Targets of Metabolic Diseases**

Catalog Number: 3153

Chih-Hao Lee (Public Health) 5294

***BPH 375. Signaling Pathways Underlying Tumorigenesis and Metabolic Diseases**

Catalog Number: 3159

Brendan D. Manning (Public Health) 5293

***BPH 376. Secretion and pathogenesis in *M. tuberculosis* - (New Course)**

Catalog Number: 7620

Sarah Merritt Fortune 5736



Biophysics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Biophysics

James M. Hogle, Edward S. Harkness Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*) (*Chair*)

Howard C. Berg, Herchel Smith Professor of Physics and Professor of Molecular and Cellular Biology

Stephen C. Blacklow, Associate Professor of Pathology (*Medical School*)

George M. Church, Professor of Genetics (*Medical School*)

Stephen C. Harrison, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

David R. Liu, Professor of Chemistry and Chemical Biology

Markus Meister, Jeff C. Tarr Professor of Molecular and Cellular Biology

Aravinthan D. T. Samuel, Associate Professor of Physics

Eugene I. Shakhnovich, Professor of Chemistry and Chemical Biology (*on leave 2006-07*)

Gerhard Wagner, Elkan Blout Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Xiaowei Zhuang, Professor of Chemistry and Chemical Biology

Other Faculty Offering Instruction in Biophysics

John A. Assad, Associate Professor of Neurobiology (*Medical School*)

Frederick Ausubel, Professor of Genetics (*Medical School*)

William H. Bossert, David B. Arnold, Jr. Professor of Science

Martha L. Bulyk, Assistant Professor of Medicine and Health Sciences and Technology and of Pathology (*Medical School*)

Lewis C. Cantley, Professor of Medicine (*Medical School*)

James J. Chou, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

David E. Clapham, Arlo R. Castaneda Professor of Cardiovascular Research (*Medical School*)

Jon Clardy, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Jonathan B. Cohen, Professor of Neurobiology (*Medical School*)

R. John Collier, Maude and Lillian Presley Professor of Microbiology and Molecular Genetics (*Medical School*)

David P. Corey, Professor of Neurobiology (*Medical School*)

Bruce F. Dempse, Professor of Toxicology (*Public Health*)

John E. Dowling, Gordon and Llura Gund Professor of Neurosciences (*FAS*) and Professor of Ophthalmology (*Medical School*)

Michael J. Eck, Associate Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)



Florian Engert, Associate Professor of Molecular and Cellular Biology
Raymond L. Erikson, American Cancer Society Professor of Cellular and Developmental Biology
Rachelle Gaudet, Co-Head Tutor in Biochemical Sciences, Associate Professor of Molecular and Cellular Biology
David E. Golan, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Jene A. Golovchenko, Rumford Professor of Physics and Gordon McKay Professor of Applied Physics
Edward E. Harlow, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences
Donald E. Ingber, Judah Folkman Professor of Vascular Biology (*Medical School*)
David Jeruzalmi, Associate Professor of Molecular and Cellular Biology
Tomas Kirchhausen, Professor of Cell Biology (*Medical School*)
Nancy Kleckner, Herchel Smith Professor of Molecular Biology
Roberto G. Kolter, Professor of Microbiology and Molecular Genetics (*Medical School*)
Galit Lahav, Assistant Professor of Systems Biology (*Medical School*)
Jun S. Liu, Professor of Statistics (*on leave spring term*)
Gavin MacBeath, Associate Professor of Chemistry and Chemical Biology
Tom Maniatis, Thomas H. Lee Professor of Molecular and Cellular Biology
Jarrod Marto, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Keith W. Miller, Mallinckrodt Professor of Pharmacology (*Medical School*)
Timothy J. Mitchison, Hasib Sabbagh Professor of Systems Biology (*Medical School*)
Andrew W. Murray, Herchel Smith Professor of Molecular Genetics
Venkatesh N. Murthy, Morris Kahn Associate Professor of Molecular and Cellular Biology, Tutor in Biochemical Sciences, Professor of Molecular and Cellular Biology
David Pellman, Associate Professor of Pediatrics (*Medical School*)
Mara Prentiss, Mallinckrodt Professor of Physics
Tom Rapoport, Professor of Cell Biology (*Medical School*)
Frederick P. Roth, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Gary B. Ruvkun, Professor of Genetics (*Medical School*)
Bernardo L. Sabatini, Associate Professor of Neurobiology (*Medical School*)
Stuart L. Schreiber, Morris Loeb Professor of Chemistry (*on leave 2006-07*)
Brian Seed, Professor of Genetics (*Medical School*)
Jagesh V. Shah, Assistant Professor of Systems Biology, of Medicine, and of Health Sciences and Technology (*Medical School*)
William Shih, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Steven E. Shoelson, Professor of Medicine (*Medical School*)
Pamela A. Silver, Professor of Systems Biology (*Medical School*)
Timothy A. Springer, Latham Family Professor of Pathology (*Medical School*)
Shamil R. Sunyaev, Assistant Professor of Medicine and Health Sciences and Technology (*Medical School*)



Jack Szostak, Professor of Genetics (*Medical School*)
Antoine van Oijen, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Gregory L. Verdine, Erving Professor of Chemistry
John R. Wakeley, Professor of Organismic and Evolutionary Biology
Christopher T. Walsh, Hamilton Kuhn Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Ronald L. Walsworth, Senior Lecturer on Physics
Thomas Walz, Professor of Cell Biology (*Medical School*)
George M. Whitesides, Woodford L. and Ann A. Flowers University Professor
Kai Wucherpfennig, Professor of Neurology (*Medical School*)
Xiaoliang Sunney Xie, Professor of Chemistry and Chemical Biology
Gary I. Yellen, Professor of Neurobiology (*Medical School*)

Biophysics students should consult course listings from the departments of Life Sciences, Chemistry and Chemical Biology, Physics, Molecular and Cellular Biology, the Division of Engineering and Applied Sciences (Applied Mathematics, Applied Physics, Computer Sciences, Engineering Sciences), Systems Biology, and the Division of Medical Sciences.

For Undergraduates and Graduates

[Biophysics 101. Genomics, Computing, and Economics](#)

Catalog Number: 6896

George M. Church (Medical School)

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Focuses on modern technologies with exponential growth and their impact on global quality of life through weekly updated Wiki class project (in-depth case studies on personal genomics and/or biofuels). Integrating knowledge, tools for research, and commercial decision-making concerning new aspects of bioengineering, personalized medicine, genetically modified organisms, and stem cells. Interplays of biophysical, ecological, economic, and social/ethical modeling will be explored through multi-disciplinary teams of students, and individual brief reports.

[Biophysics 170. Quantitative Genomics]

Catalog Number: 3598

Shamil R. Sunyaev (Medical School) and members of the Committee

Half course (fall term). Hours to be arranged.

Introduction to genomics with in-depth study of four areas: models of evolution and population genetics; comparative genomics: analysis and comparison; structural genomics: protein structure, evolution and interactions; functional genomics, gene expression, structure and dynamics of regulatory networks.

Note: Expected to be given in 2007–08. Meets at MIT. Offered jointly with the Medical School as HT.508.

Cross-listed Courses



[Applied Mathematics 105a. Complex and Fourier Analysis](#)
[Applied Mathematics 105b. Ordinary and Partial Differential Equations](#)
[Applied Mathematics 115. Mathematical Modeling](#)
[[Applied Mathematics 147. Nonlinear Dynamical Systems](#)]
[[Chemistry 154. Crystal Symmetry, Diffraction, and Structure Analysis](#)]
[Chemistry 160. Physical Chemistry](#)
[Chemistry 161. Statistical Thermodynamics](#)
[Chemistry 163. Frontiers in Biophysics](#)
[Chemistry 165. Experimental Physical Chemistry](#)
[Engineering Sciences 145. Physiological Systems Analysis](#)
[[Engineering Sciences 148. Neural Signal Processing](#)]
[Engineering Sciences 156. Signals and Systems](#)
[Mathematics 115. Methods of Analysis and Applications](#)
[MCB 105. Systems Neuroscience](#)
[MCB 111 \(formerly MCB 211\). Mathematics in Biology](#)
[MCB 115. Cellular Basis of Neuronal Function](#)
[MCB 117. Experimental Neuroscience](#)
[*MCB 129. Molecular Genetics of Neural Development and Behavior](#)
[[MCB 140. Introduction to Biophysics](#)]
[MCB 141. Molecular and Developmental Neurobiology](#)
[MCB 150. Developmental Genetics and Genomics](#)
[*MCB 155. Molecular Mechanisms of Gene Control](#)
[MCB 156. Structural Biology of the Flow of Information in the Cell](#)
[MCB 169. Molecular and Cellular Immunology](#)
[MCB 176. Biochemistry of Membranes](#)
[OEB 152. Population Genetics](#)
[[Systems Biology 102. Systems Cell Biology](#)]
[Systems Biology 200 \(formerly Systems Biology 101\). A Systems Approach to Biology](#)

Primarily for Graduates

[Biophysics 204. Structural Biology From Molecules to Cells](#)

Catalog Number: 1728

Stephen C. Harrison (Medical School)

Half course (spring term). Tu., Th., 4–5:30. EXAM GROUP: 18

Imaging of molecules and of molecular localization in cells, including x-ray and electron crystallography, electron microscopy of single molecules, and high-resolution light microscopy. Lectures and student presentations of selected papers from the literature.

Note: This course is planned to coordinate with this year's Biophysics 242r, but students may also take either course separately.

[Biophysics 205. Computational and Functional Genomics](#)

Catalog Number: 6777 Enrollment: Limited to 20.

Frederick P. Roth (Medical School), Martha L. Bulyk (Medical School), and Shamil R. Sunyaev (Medical School)

Half course (spring term). M., W., 3–4:30. EXAM GROUP: 8, 9



Experimental functional genomics, computational prediction of gene function, and properties and models of complex biological systems. The course will primarily involve critical reading and discussion rather than lectures.

Prerequisite: Molecular Biology (MCB 52 or equivalent), solid understanding of basic probability and statistics.

Biophysics 242r. Special Topics in Biophysics

Catalog Number: 6011

James M. Hogle (Medical School), Antoine van Oijen (Medical School), William Shih (Medical School), and members of the Committee

Half course (spring term). W., F., 1:30–3. EXAM GROUP: 6, 7

Molecular Motors: A review of principles of diffusion, thermodynamics, and kinetics. Survey of mechanisms employed by molecular motors to perform mechanical and chemical work.

Note: This course is planned to coordinate with Biophysics 204, but students may also take either course separately. Weekly lecture with weekly discussion.

Prerequisite: MCB 56 or equivalent; Chemistry 60 or equivalent; Mathematics 21a and 21b or equivalent.

Cross-listed Courses

Applied Mathematics 201. Physical Mathematics I

[Applied Mathematics 202. Physical Mathematics II]

BCMP 200. Molecular Biology

BCMP 201. Proteins: Structure, Function and Catalysis

BCMP 228. Macromolecular NMR

Cell Biology 201. Molecular Biology of the Cell

[Cell Biology 211b. Growth Factors and Signal Transduction]

Chemical Biology 2100 (formerly Biophysics 201). Organic Chemistry for Biologists

***Chemistry 242. Quantum Mechanics I**

***Chemistry 270 (formerly Chemistry 170). Chemical Biology**

***Chemistry 280 (formerly Chemistry 180). Macromolecular Structure and Function**

Genetics 201. Principles of Genetics

MCB 212. Topics in Biophysics

Microbiology 200. Molecular Microbiology and Pathogenesis

***Microbiology 205. Mechanisms of Microbial Pathogenesis**

Neurobiology 200. Introduction to Neurobiology

Neurobiology 204. Neurophysiology of Central Circuits

***Neurobiology 221. Molecular Neurobiology**

[Statistics 215. Fundamentals of Computational Biology]

Graduate Courses of Reading and Research

***Biophysics 300. Introduction to Laboratory Research**

Catalog Number: 7509

James M. Hogle (Medical School) 2943 and members of the Committee

Half course (fall term; repeated spring term). M., W., F., at 4:30.



Introductory lectures by associated Biophysics faculty members. Lectures accompanied by three periods of instruction in laboratories of structural biology, cell and membrane biophysics, molecular genetics and development, neurobiology, bioinformatics, and physical biochemistry. Students normally spend laboratory periods in different fields.

***Biophysics 301. Quantitative Proteomics of Cancer Progression - (New Course)**

Catalog Number: 1302

Jarrold Marto (Medical School) 5326

***Biophysics 303. NMR Studies of Macromolecular Structure and Function**

Catalog Number: 6135

Gerhard Wagner (Medical School) 2626

***Biophysics 304. Basic Mechanisms of T cell Mediated Autoimmune Diseases - (New Course)**

Catalog Number: 5921

Kai Wucherpfennig (Medical School) 2481

***Biophysics 305. Experimental Atomic Physics, Biophysics, and Soft Matter Physics - (New Course)**

Catalog Number: 8626

Ronald L. Walsworth 2263

***Biophysics 306. Quantitative Models of Cellular Behavior to Investigate Protein Function - (New Course)**

Catalog Number: 4339

Jagesh V. Shah (Medical School) 5248

***Biophysics 307. Dynamics of Network Motifs in Single Living Human Cells - (New Course)**

Catalog Number: 9749

Galit Lahav (Medical School) 5247

***Biophysics 309. Motile Behavior of Bacteria**

Catalog Number: 2070

Howard C. Berg 1377

***Biophysics 311. Digital Computer Applications in Biophysics**

Catalog Number: 7606

William H. Bossert 1049

***Biophysics 314. Structure of Viruses and Viral Proteins**

Catalog Number: 0687

James M. Hogle (Medical School) 2943



***Biophysics 315. Structural Molecular Biology**

Catalog Number: 2805

Stephen C. Harrison (Medical School) 3597

***Biophysics 317. Biophysical Aspects of the Visual System**

Catalog Number: 4770

John E. Dowling 3545

***Biophysics 318. Mechanisms of Circadian Rhythms, Bioluminescence**

Catalog Number: 4699

J. Woodland Hastings 1311

***Biophysics 321. Molecular and Mechanical Analysis of Chromosomes**

Catalog Number: 7297

Nancy Kleckner 4697

***Biophysics 323. Molecular Oncology**

Catalog Number: 8284

Edward E. Harlow (Medical School) 2863

***Biophysics 327. Molecular Genetics**

Catalog Number: 4202

Frederick Ausubel (Medical School) 4639

***Biophysics 329. Computational and Functional Genomics**

Catalog Number: 4437

George M. Church (Medical School) 1608

***Biophysics 332. Function of Neuronal Circuits**

Catalog Number: 5444

Markus Meister 3007

***Biophysics 333. Topics in Biophysics and Molecular Biology**

Catalog Number: 0196

Brian Seed (Medical School) 7619

***Biophysics 335. Gene Expression**

Catalog Number: 3602

Tom Maniatis 7231

***Biophysics 337. Membrane Structure and Function**

Catalog Number: 1800

Keith W. Miller (Medical School) 4124



***Biophysics 338. Redox Signaling and Repair of Oxidative DNA Damage**

Catalog Number: 4755

Bruce F. Demple (Public Health) 7853

***Biophysics 341. Structure and Function of Ligand-Gated Ion Channels**

Catalog Number: 7567

Jonathan B. Cohen (Medical School) 1120

***Biophysics 343. Theoretical Protein Science, Bioinformatics, Computational Chemistry**

Catalog Number: 6947

Eugene I. Shakhnovich 3147 (on leave 2006-07)

***Biophysics 344. Directed Evolution and Design of Simple Cellular Systems**

Catalog Number: 6277

Jack Szostak (Medical School) 7096

***Biophysics 346. Biofilm Dynamics**

Catalog Number: 5538

Roberto G. Kolter (Medical School) 7727

***Biophysics 347. Membrane Dynamics; Membrane Structure**

Catalog Number: 5516

David E. Golan (Medical School) 1558

***Biophysics 348. Protein Kinases, Reversible Protein Phosphorylation**

Catalog Number: 4964

Raymond L. Erikson 7506

***Biophysics 349. Structural Biochemistry and Cell Biology of Intracellular Membrane Traffic**

Catalog Number: 4487

Tomas Kirchhausen (Medical School) 1155

***Biophysics 351. Signal Transduction**

Catalog Number: 3848

Lewis C. Cantley (Medical School) 1287

***Biophysics 353. Molecular Genetics of Development**

Catalog Number: 5016

Gary B. Ruvkun (Medical School) 1366

***Biophysics 354. Structural Biology and Cancer Drug Discovery**

Catalog Number: 4420

Gregory L. Verdine 1980



***Biophysics 355. Chemical Genetics and Genomics**

Catalog Number: 3035

Stuart L. Schreiber 2166 (on leave 2006-07)

***Biophysics 356. Structure and Activity of Bacterial Toxins**

Catalog Number: 6886

R. John Collier (Medical School) 7972

***Biophysics 360. Enzymatic Mechanisms and Antibiotic Biosynthesis**

Catalog Number: 7053

Christopher T. Walsh (Medical School) 2036

***Biophysics 361. Rational Drug Design; Biomaterials Science; Biophysics**

Catalog Number: 7080

George M. Whitesides 7447

***Biophysics 362. Molecular Physiology of Ion Channels**

Catalog Number: 3784

Gary I. Yellen (Medical School) 3268

***Biophysics 363. Biophysics of Receptor-Ligand Interactions**

Catalog Number: 8687

Stephen C. Blacklow (Medical School) 1462

***Biophysics 364. Systems Cell Biology**

Catalog Number: 5528

Pamela A. Silver (Medical School) 1595

***Biophysics 365. Visual Processing in Primates**

Catalog Number: 8145

John A. Assad (Medical School) 2985

***Biophysics 366. Imaging, Optics, and Biology**

Catalog Number: 2877

David E. Clapham (Medical School) 2987

***Biophysics 367. Structure Biology of Cytoplasmic Signal Transduction**

Catalog Number: 5512

Michael J. Eck (Medical School) 1739

***Biophysics 368. Probing Polymers with Nanospores, Experimental Condensed Matter Physics**

Catalog Number: 1400

Jene A. Golovchenko 1986



***Biophysics 369. Organic Chemistry and Chemical Biology of Molecular Evolution**

Catalog Number: 6337

David R. Liu 2717

***Biophysics 370. Cytoskeleton Dynamics; Mitosis and Cell Locomotion; Small Molecule Inhibitors**

Catalog Number: 8034

Timothy J. Mitchison (Medical School) 3713

***Biophysics 371. Mechanisms of Synaptic Transmission and Plasticity**

Catalog Number: 2326

Venkatesh N. Murthy 2424

***Biophysics 372. Protein Transport Across the ER Membrane**

Catalog Number: 6922

Tom Rapoport (Medical School) 1815

***Biophysics 373. Computational Molecular Biology**

Catalog Number: 5267

Frederick P. Roth (Medical School) 3912

***Biophysics 374. High-Resolution Electron Microscopy**

Catalog Number: 8225

Thomas Walz (Medical School) 3778

***Biophysics 375. Single-Molecule Biophysics**

Catalog Number: 7900

Xiaoliang Sunney Xie 2290

***Biophysics 376. Functional and Computational Genomics Studies of Transcription Factors and Cis Regulatory Elements**

Catalog Number: 2254

Martha L. Bulyk (Medical School) 4259

***Biophysics 377. Statistical Theory and Inference for Stochastic Processes: With Applications to Bioinformatics**

Catalog Number: 4768

Jun S. Liu 3760 (on leave spring term)

***Biophysics 378. Structural and Cellular Biology of Insulin Signal Transduction**

Catalog Number: 4856

Steven E. Shoelson (Medical School) 3951

***Biophysics 379. Theoretical Population Genetics**

Catalog Number: 2274

John R. Wakeley 5680



***Biophysics 380. Microarray Data: Issues and Challenges**

Catalog Number: 4402

James M. Hogle (Medical School) 2943

***Biophysics 381. Single-Molecule Biophysics**

Catalog Number: 3046

Xiaowei Zhuang 3991

***Biophysics 382. Regulation of Synaptic Transmission and Dendritic Function in the Mammalian Brain**

Catalog Number: 6116

Bernardo L. Sabatini (Medical School) 4300

***Biophysics 384. NMR Spectroscopy on Membrane-associated Proteins and Peptides**

Catalog Number: 4531

James J. Chou (Medical School) 4950

***Biophysics 385. Small Molecule Signaling, Biosynthesis, and Drug Discovery**

Catalog Number: 8378

Jon Clardy (Medical School) 4667

***Biophysics 386. Synaptic Plasticity and Neuronal Networks**

Catalog Number: 3012

Florian Engert 4290

***Biophysics 387. Structural Studies of the Stereochemistry of Signaling and Transport through Biological Membranes**

Catalog Number: 6869

Rachelle Gaudet 4413

***Biophysics 388. Structural Studies of Nucleo-Protein Assemblies**

Catalog Number: 1543

David Jeruzalmi 4528

***Biophysics 389. Chemical Biology and Systems Biology**

Catalog Number: 4245

Gavin MacBeath 4347

***Biophysics 390. Regulation of Mitosis**

Catalog Number: 2157

Andrew W. Murray 3765

***Biophysics 391. Computational Methods in Genetics, Genomics and Proteomics**

Catalog Number: 7043

Shamil R. Sunyaev (Medical School) 4671



***Biophysics 392. Biophysics of Mechanosensation**

Catalog Number: 2687

David P. Corey (Medical School) 1345

***Biophysics 393. The Mechanics and Regulation of Mitosis**

Catalog Number: 6759

David Pellman (Medical School) 3702

***Biophysics 394. Experimental Biophysics**

Catalog Number: 7138

Mara Prentiss 2741

***Biophysics 395. Biophysics of Cell Adhesion and Vascular Shear Flow**

Catalog Number: 3918

Timothy A. Springer (Medical School) 6145

***Biophysics 396. Behavioral Neuroscience and Neurophysiology**

Catalog Number: 0966

Aravinthan D. T. Samuel 4625

***Biophysics 397. Research in Integrin Signaling, Cytoskeleton, and Control of Angiogenesis**

Catalog Number: 2982

Donald E. Ingber (Medical School) 2832

***Biophysics 398. Single-Molecule Novel Fluorescence and Nano-Manipulation Studies of Protein-Protein and Protein-Nucleic Acid Interactions**

Catalog Number: 2547

Antoine van Oijen (Medical School) 5084

***Biophysics 399. Biomolecular Nanotechnology - (New Course)**

Catalog Number: 8294

William Shih (Medical School) 5256

Biostatistics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Public Health Sciences



James H. Ware, Frederick Mosteller Professor of Biostatistics (*Public Health*) (*Chair*) (*ex officio*)
 Bruce F. Demple, Professor of Toxicology (*Public Health*)
 Thomas O. Fox, Associate Professor of Neuroscience (*Medical School*)
 Laurie H. Glimcher, Professor of Medicine (*Medical School*) and Irene Heinz Given Professor of Immunology (*Public Health*)
 Michael Grusby, Professor of Molecular Immunology (*Public Health*) and Associate Professor of Medicine (*Medical School*)
 J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences
 Nan Laird, Professor of Biostatistics (*Public Health*)
 Xiao-Li Meng, Professor of Statistics
 Carl N. Morris, Professor of Statistics (*on leave fall term*)
 Louise M. Ryan, Henry Pickering Walcott Professor of Biostatistics (*Public Health*)

Faculty of the Subcommittee on the Degree of Doctor of Philosophy in Biostatistics

Louise M. Ryan, Henry Pickering Walcott Professor of Biostatistics (*Public Health*) (*Chair*)
 Nan Laird, Professor of Biostatistics (*Public Health*)
 Xiao-Li Meng, Professor of Statistics
 Carl N. Morris, Professor of Statistics (*on leave fall term*)
 James H. Ware, Frederick Mosteller Professor of Biostatistics (*Public Health*) (*ex officio*)

Other Faculty Offering Instruction in Biostatistics in Public Health

Rebecca A. Betensky, Associate Professor of Biostatistics (*Public Health*)
 Tianxi Cai, Assistant Professor of Biostatistics (*Public Health*)
 Paul J. Catalano, Senior Lecturer of Biostatistics (*Public Health*)
 Brent Andrew Coull, Associate Professor of Biostatistics (*Public Health*)
 Roger B. Davis, Associate Professor of Biostatistics (*Public Health*)
 Victor Gerard DeGruttola, Professor of Biostatistics (*Public Health*)
 Gregory DiRienzo, Assistant Professor of Biostatistics (*Public Health*)
 Dianne Madelyn Finkelstein, Professor of Biostatistics (*Public Health*)
 Garrett M. Fitzmaurice, Associate Professor of Biostatistics (*Public Health*)
 Kimberlee Gauvreau, Assistant Professor of Biostatistics (*Public Health*)
 Richard D. Gelber, Professor of Biostatistics (*Public Health*)
 Rebecca S. Gelman, Associate Professor of Biostatistics (*Public Health*)
 Robert C. Gentleman, Adjunct Associate Professor of Biostatistics (*Public Health*)
 Robert J. Glynn, Associate Professor of Biostatistics (*Public Health*)
 Els Goetghebeur, Adjunct Associate Professor of Biostatistics (*Public Health*)
 Robert James Gray, Professor of Biostatistics (*Public Health*)
 David P. Harrington, Professor of Biostatistics (*Public Health*)
 Chengcheng Hu, Assistant Professor of Biostatistics (*Public Health*)
 Michael David Hughes, Professor of Biostatistics (*Public Health*)
 Rima Izem, Assistant Professor of Statistics
 Hongyu Jiang, Assistant Professor of Biostatistics (*Public Health*)
 Peter Kraft, Assistant Professor of Epidemiology (*Public Health*)



Karen M. Kuntz, Adjunct Associate Professor of Health Decision Science (*Public Health*)
 Stephen W. Lagakos, Henry Pickering Walcott Professor of Biostatistics (*Public Health*) (*on leave spring term*)
 Christoph Lange, Assistant Professor of Medicine (*Medical School*) and Assistant Professor of Biostatistics (*Public Health*)
 Nicholas T. Lange, Associate Professor of Biostatistics (*Public Health*)
 Mei-Ling Ting Lee, Adjunct Associate Professor of Biostatistics (*Public Health*)
 Cheng Li, Assistant Professor of Biostatistics (*Public Health*)
 Yi Li, Associate Professor of Biostatistics (*Public Health*)
 Xihong Lin, Professor of Biostatistics (*Public Health*)
 Jun S. Liu, Professor of Statistics (*on leave spring term*)
 Xiaole Shirley Liu, Assistant Professor of Biostatistics (*Public Health*)
 Donna S. Neuberg, Senior Lecturer on Biostatistics (*Public Health*)
 Sharon-Lise T. Normand, Professor of Health Care Policy (*Medical School*) and Professor in the Department of Biostatistics (*Public Health*)
 Endel J. Orav, Associate Professor of Biostatistics (*Public Health*)
 Alexander Ozonoff, Adjunct Assistant Professor of Biostatistics (*Public Health*)
 Christopher J. Paciorek, Assistant Professor of Biostatistics (*Public Health*)
 Marcello Pagano, Professor of Statistical Computing (*Public Health*)
 John Quackenbush, Professor of Computational Biology and Bioinformatics (*Public Health*)
 James M. Robins, Professor of Epidemiology and Biostatistics (*Public Health*)
 Bernard Rosner, Professor of Medicine (*Medical School, Public Health*)
 Andrea Gloria Rotnitzky, Adjunct Professor of Biostatistics (*Public Health*)
 David A. Schoenfeld, Professor of Biostatistics (*Public Health*)
 Mei-Chiung Shih, Assistant Professor of Biostatistics (*Public Health*)
 Donna Lynn Spiegelman, Professor of Epidemiologic Methods (*Public Health*)
 Kenneth E. Stanley, Lecturer on Statistics (*FAS*) and Lecturer on Biostatistics (*Public Health*)
 Marcia Anne Testa Simonson, Senior Lecturer on Biostatistics (*Public Health*)
 Molin Wang, Assistant Professor of Biostatistics (*Public Health*)
 Wei Wang, Assistant Professor of Biostatistics (*Public Health*)
 Lee-Jen Wei, Professor of Biostatistics (*Public Health*)
 Milton C. Weinstein, Henry J. Kaiser Professor of Health Policy and Management (*Public Health*) and Professor of Medicine (*Medical School*)
 Paige L. Williams, Senior Lecturer on Biostatistics (*Public Health*)
 David Wypij, Associate Professor of Biostatistics (*Public Health*)
 Grace Wyshak, Associate Professor of Biostatistics and Population and International Health (*Public Health*)
 Marvin Zelen, Professor of Statistical Science (*Public Health*)

Primarily for Graduates

Further details about the course descriptions below can be found in their entirety at www.biostat.harvard.edu/courses/course.html

[*Biostatistics 230. Probability Theory and Applications I](#)

Catalog Number: 6183



Marcello Pagano (Public Health)

Half course (fall term). M., W., 8:30–10:20 and one two-hour lab each week.

Axiomatic foundations of probability, independence, conditional probability, joint distributions, transformations, moment generating functions, characteristic functions, moment inequalities, sampling distributions, modes of convergence and their interrelationships, laws of large numbers, central limit theorem, and stochastic processes.

Note: Offered jointly with the School of Public Health as BIO230.

***Biostatistics 231. Statistical Inference I**

Catalog Number: 8773

Victor Gerard DeGruttola (Public Health)

Half course (spring term). M., W., 10:30–12:20 and a 1.5-hour lab each week.

Exponential families, sufficiency, ancillarity, completeness, method of moments, maximum likelihood, unbiased estimation, Rao-Blackwell and Lehmann-Scheffe theorems, information inequality, Neyman-Pearson theory, likelihood ratio, score and Wald tests, uniformly and locally most powerful tests, asymptotic relative efficiency.

Note: Offered jointly with the School of Public Health as BIO231.

Prerequisite: Biostatistics 230 or signature of instructor required.

***Biostatistics 232. Methods I**

Catalog Number: 0131

Brent Andrew Coull (Public Health)

Half course (fall term). M., W., 1:30–3:20 and one two-hour lab each week.

Introductory course in the analysis of Gaussian and categorical data. The general linear regression model, ANOVA, robust alternatives based on permutations, model building, resampling methods (bootstrap and jackknife), contingency tables, exact methods, logistic regression.

Note: Offered jointly with the School of Public Health as BIO232.

Prerequisite: Signature of instructor required.

***Biostatistics 233. Methods II**

Catalog Number: 7804

Robert James Gray (Public Health) and Lee-Jen Wei (Public Health)

Half course (spring term). M., W., 8:30–10:20 and a 1.5 hour lab each week.

Intermediate course in the analysis of Gaussian, categorical, and survival data. The generalized linear model, Poisson regression, random effects and mixed models, comparing survival distributions, proportional hazards regression, splines and smoothing, the generalized additive model.

Note: Offered jointly with the School of Public Health as BIO233.

Prerequisite: Biostatistics 232 or signature of instructor required.

***Biostatistics 235. Regression and Analysis of Variance**

Catalog Number: 7549

Marvin Zelen (Public Health)

Half course (fall term). M., W., 10:30–12:20.

An advanced course in linear models - regression and analysis of variance. Estimation



(maximum likelihood and least squares) and inference (confidence intervals, hypothesis testing, analysis of residuals) are presented from a theoretical and data analysis perspective.

Note: Offered jointly with the School of Public Health as BIO235.

Prerequisite: Biostatistics 230 and Biostatistics 232. Background in matrix algebra and linear regression required.

Biostatistics 244. Analysis of Failure Time Data

Catalog Number: 2140

Stephen W. Lagakos (Public Health)

Half course (fall term). M., W., 1:30–3:20 and one two-hour lab each week.

Discusses the theoretical basis of concepts and methodologies associated with survival data and censoring, nonparametric tests, and competing risk models. Much of the theory is developed using counting processes and martingale methods.

Note: Offered jointly with the School of Public Health as BIO244.

Prerequisite: Biostatistics 231 and Biostatistics 233.

Biostatistics 245. Analysis of Multivariate and Longitudinal Data

Catalog Number: 3247

Xihong Lin (Public Health)

Half course (spring term). M., W., 10:30–12:20.

The multivariate normal distribution, Hotelling's T^2 , MANOVA, repeated measures, the multivariate linear model, random effects and growth curve models, generalized estimating equations, multivariate categorical outcomes, missing data, computational issues for traditional and new methodologies.

Note: Offered jointly with the School of Public Health as BIO245.

Prerequisite: Biostatistics 231 and Biostatistics 235.

***Biostatistics 247. Design of Scientific Investigations**

Catalog Number: 3723

Michael David Hughes (Public Health)

Half course (spring term). Tu., Th., 3:30–5:20.

Sample size considerations, basic principles of experimental design (randomization, replication, and balance), block designs, factorial experiments, response surface modeling, optimal design, clinical trials, adaptive, and sequential designs.

Note: Offered jointly with the School of Public Health as BIO247. Offered in alternate years. Minimum enrollment of 10 students required.

Prerequisite: Biostatistics 235.

***Biostatistics 248. Advanced Statistical Computing**

Catalog Number: 6420

Paul J. Catalano (Public Health)

Half course (spring term). M., W., 8:30–10:20.

Computer arithmetic, matrix algebra, numerical optimization with application to MLEs and GEEs, spline smoothing, numerical integration, random number generation, simulation methods, Gibbs sampling, bootstrap methods, missing data and EM, imputation, and data augmentation algorithms.



Note: Offered jointly with the School of Public Health as BIO248.

Prerequisite: Students should be proficient with C or Fortran programming. Biostatistics 235 or signature of instructor required.

[*Biostatistics 249. Bayesian Methodology in Biostatistics]

Catalog Number: 8841

Sharon-Lise T. Normand

Half course (fall term). Hours to be arranged.

Bayes theorem, decision theory, general principles (likelihood, exchangeability, de Finetti's theorem), prior distributions, inference (exact, normal approximations, non-normal approximations), computation (Monte Carlo, convergence diagnostics), model diagnostics (Bayes factors, predictive ordinates), design, empirical Bayes methods.

Note: Expected to be given in 2007–08. Offered jointly with the School of Public Health as BIO249. Offered in alternate years.

Prerequisite: Biostatistics 231 and Biostatistics 232, or signature of instructor required.

***Biostatistics 250. Probability Theory and Applications II**

Catalog Number: 5076

Andrea Gloria Rotnitzky (Public Health)

Half course (spring term). Tu., Th., 1:30–3:20.

Basic set theory, measure theory, Riemann-Stieltjes and Lebesgue integration, conditional probability, conditional expectation (projection), martingales, Radon-Nikodym derivative, product measure and Fubini's Theorem, limit theorems on sequences of random variables, stochastic processes, weak convergence.

Note: Offered jointly with the School of Public Health as BIO250.

Prerequisite: Biostatistics 230 and Biostatistics 232, or signature of instructor required.

Biostatistics 251. Statistical Inference II

Catalog Number: 5280

Rebecca A. Betensky (Public Health)

Half course (fall term). Tu., Th., 1:30–3:20 and one two-hour lab each week.

Advanced topics in statistical inference. Limit theorems, multivariate delta method, properties of maximum likelihood estimators, saddle point approximations, asymptotic relative efficiency, robust and rank-based procedures, resampling methods, nonparametric curve estimation.

Note: Offered jointly with the School of Public Health as BIO251.

Prerequisite: Biostatistics 231.

[*Biostatistics 277. Computational Biology]

Catalog Number: 1337

Cheng Li (Public Health)

Half course (spring term). Hours to be arranged.

A graduate level introduction to computational molecular biology for students with quantitative background. The topics include: review of biology, gene expression microarray, sequence and cis-regulatory analysis, special topics and class project presentations.

Note: Expected to be given in 2007–08. Cannot be taken Pass/Fail. Offered jointly with the



School of Public Health as BIO277.

Prerequisite: Biostatistics 231 or signature of instructor required.

[Biostatistics 280. Introduction to Computational Molecular Biology]

Catalog Number: 2116

Xiaole Shirley Liu (Public Health)

Half course (spring term). Hours to be arranged.

Graduate entry level course to basic problems, algorithms, and data analysis methods in computational biology. Sequence alignment, gene finding and annotation, microarray analysis, gene regulatory network, RNA/protein structure prediction, proteomics and pharmacogenetics.

Note: Expected to be given in 2007–08. Offered jointly with the School of Public Health as BIO280.

Biostatistics 283. Spatial Statistics for Social Inquiry and Health Research - (New Course)

Catalog Number: 4101

Christopher J. Paciorek (Public Health), Rima Izem, and Louise M. Ryan (Public Health)

Half course (spring term). Tu., Th., 10:30–12.

Introduction to spatial statistics with application to social science and public health research.

Emphasizes methods for the analysis and visualization of three basic types of spatial data: area data, point (geostatistical) data, and point processes.

Note: Heavy emphasis on real applied problems through case studies, guest lectures, and student projects. Basic GIS skills will be covered in a short module. Required lab or section time will be announced at first meeting. May not be taken for credit if Statistics 155 has already been taken. May not be taken concurrently with Statistics 155. Offered jointly with the School of Public Health as BIO 283.

Prerequisite: Biostatistics 210, or 211, or 213, and Biostatistics 503, or permission of instructor.

Graduate Courses of Reading and Research

***Biostatistics 350. Research**

Catalog Number: 0406

Members of the Department

For doctoral candidates who have passed their written qualifying examination and who are undertaking advanced work along the lines of fundamental or applied dissertation research in the department.

Business Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION



Faculty of the Committee on Higher Degrees in Business Studies

Amy C. Edmondson, Novartis Professor of Leadership and Management (*Business School*)
(*Chair*)

The Standing Committee on Higher Degrees in Business Studies is a joint committee consisting of members from both the Harvard Business School (HBS) and the Faculty of Arts and Sciences (FAS). The committee is composed of the members of the following subcommittees:

Subcommittee on the Degree of Doctor of Philosophy in Business Economics

Jerry R. Green, John Leverett Professor and David A. Wells Professor of Political Economy
(*Chair*) (*on leave spring term*)

John Y. Campbell, Harvard College Professor and Morton L. and Carole S. Olshan Professor of Economics

Amy C. Edmondson, Novartis Professor of Leadership and Management (*Business School*) (*ex-officio*)

Joshua Lerner, Jacob H. Schiff Professor of Investment Banking (*Business School*)

Ariel Pakes, Steven McArthur Heller Professor of Economics

Alvin E. Roth, George Gund Professor of Economics (*FAS*) and George Gund Professor of Economics and Business Administration (*Business School*)

David S. Scharfstein, Edmund Cogswell Converse Professor of Finance and Banking (*Business School*)

Jeremy C. Stein, Moise Y. Safra Professor of Economics

Luis M. Viceira, Associate Professor of Business Administration (*Business School*)

Dennis A. Yao, Professor of Business Administration (*Business School*)

Subcommittee on the Degree of Doctor of Philosophy in Information Technology and Management

H. T. Kung, William H. Gates Professor of Computer Science and Electrical Engineering (*Co-Chair*) (*on leave fall term*)

Stefan Thomke, Professor of Business Administration (*Business School*) (*Co-Chair*)

Carliss Y. Baldwin, William L. White Professor of Business Administration (*Business School*)

Amy C. Edmondson, Novartis Professor of Leadership and Management (*Business School*) (*ex-officio*)

Lee Fleming, Associate Professor of Business Administration (*Business School*)

Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences, Professor of Physics, Dean of the School of Engineering and Applied Sciences

David C. Parkes, John L. Loeb Associate Professor of the Natural Sciences

Jan W. Rivkin, Associate Professor of Business Administration (*Business School*)

Margo I. Seltzer, Harvard College Professor and Herchel Smith Professor of Computer Science (*on leave 2006-07*)

Woodward Yang, Gordon McKay Professor of Electrical Engineering and Computer Science

Subcommittee on the Degree of Doctor of Philosophy in Organizational Behavior



Peter V. Marsden, Harvard College Professor and Professor of Sociology (*Chair*)
Teresa M. Amabile, Edsel Bryant Ford Professor of Business Administration (*Business School*)
Mahzarin R. Banaji, Richard Clarke Cabot Professor of Social Ethics
Amy C. Edmondson, Novartis Professor of Leadership and Management (*Business School*) (*ex officio*)
Nitin Nohria, Richard P Chapman Professor of Business Administration (*Business School*)
Jeffrey T. Polzer, Associate Professor of Business Administration (*Business School*)
Christopher Winship, Diker-Tishman Professor of Sociology

Other Faculty Offering Instruction in Business Studies

Clayton M. Christensen, Robert and Jane Cizik Professor of Business Administration (*Business School*)
Robin J. Ely, Associate Professor of Business Studies (*Business School*)
Giovanni Gavetti, Assistant Professor of Business Administration (*Business School*)
Clark G. Gilbert, Assistant Professor of Business Administration (*Business School*)
John T. Gourville, Associate Professor of Business Administration (*Business School*)
Geoffrey Jones, Professor of Business Administration (*Business School*)
Michael D. Kimbrough, Assistant Professor of Business Administration (*Business School*)
Gary Pisano, Harry E. Figgie, Jr. Professor of Business Administration (*Business School*)
Mikolaj J. Piskorski, Assistant Professor of Business Administration (*Business School*)
Ananth Raman, UPS Foundation Professor of Business Logistics (*Business School*)
Jordan I. Siegel, Assistant Professor of Business Administration (*Business School*)
Noel Watson, Assistant Professor of Business Administration (*Business School*)

PhD programs in Business Economics, Organizational Behavior, and Information Technology and Management are administered by the Standing Committee on Higher degrees in Business Studies consisting of members from both Harvard Business School (HBS) and the Faculty of Arts and Sciences (FAS). The programs are intended for students who wish to enter careers in scholarship and advanced research.

For the latest Doctoral Program course offerings from the Harvard Business School, please visit www.hbs.edu/doctoral/registrar/course.html.

Celtic Languages and Literatures

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Celtic Languages and Literatures



Tomás Ó Cathasaigh, Henry L. Shattuck Professor of Irish Studies (*Chair and Director of Graduate Studies*)

Barbara L. Hillers, Associate Professor of Celtic Languages and Literatures

Catherine McKenna, Margaret Brooks Robinson Professor of Celtic Languages and Literatures (*on leave spring term*)

Other Faculty Offering Instruction in Celtic Languages and Literatures

Patrick K. Ford, Margaret Brooks Robinson Research Professor of Celtic Languages and Literatures

Graduate students in the Faculty of Arts and Sciences may enroll in certain foreign language courses for the grade of Satisfactory/Unsatisfactory. Students should consult with course heads to determine if a course is offered on that basis.

Primarily for Undergraduates

***Celtic 91r. Supervised Reading and Research**

Catalog Number: 1323

Members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Instruction and direction of reading on topics not treated in regular courses of instruction.

For Undergraduates and Graduates

[Celtic 107. Early Irish History]

Catalog Number: 7976

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

An introduction to the history of Ireland from the advent of Christianity, through the Viking incursions, to the Anglo-Norman conquest of 1167 A.D. Making use of such historical and pseudo-historical sources as the Irish annals, regnal lists, genealogies, laws, martyrologies and other hagiography; as well as archaeological and climatological evidence; the course examines major social, political, military, religious, and cultural developments in the so-called 'Celtic' Ireland.

Note: Expected to be given in 2007–08. No knowledge of Irish required; all texts are read in English translation.

[Celtic 113. Gaelic Women's Poetry]

Catalog Number: 7517

Barbara L. Hillers

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Explores the ways gender, genre, and tradition intersect in the poetic tradition of Gaelic Ireland and Scotland from the Middle Ages to today. After an excursion into early medieval literature, we focus on the work of women aristocrats, female genres of oral folk tradition, and contemporary poetry.



Note: Expected to be given in 2007–08. This course is of particular interest to students with a background in Irish or Scottish Gaelic, but no knowledge of either language is necessary. All texts are read in English translation.

[Celtic 114. Early Irish Historical Tales]

Catalog Number: 0781

Tomás Ó Cathasaigh

Half course (fall term). M., W., (F.), at 12. EXAM GROUP: 5

Introduction to early Irish story-material about legendary and historical persons and events. Attitudes to kingship and views of history in the tales are explored.

Note: Expected to be given in 2007–08. All texts are read in English translation.

[Celtic 128. Introduction to Modern Welsh]

Catalog Number: 4148

Catherine McKenna and others

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Basic grammar, translation of simple contemporary Welsh writings, and practice of pronunciation and conversation.

Note: Expected to be given in 2007–08. It is suggested that this course be followed by Celtic 129r.

[Celtic 129r. Intermediate Modern Welsh]

Catalog Number: 4694

Catherine McKenna and others

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Further grammatical study, with continued pronunciation and conversation, and readings in contemporary Welsh literature.

Note: Expected to be given in 2007–08.

Prerequisite: Celtic 128 or permission of instructor.

[Celtic 130. Introduction to Scottish Gaelic]

Catalog Number: 1846

Barbara L. Hillers

Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

An introduction to the spoken and written language.

Note: Expected to be given in 2007–08. It is suggested that this course be followed by Celtic 131.

[Celtic 131. Intermediate Scottish Gaelic]

Catalog Number: 4542

Barbara L. Hillers

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

A continuation of the fall term course.

Note: Expected to be given in 2007–08.

Prerequisite: Celtic 130 or equivalent.



***Celtic 132. Introduction to Modern Irish**

Catalog Number: 6725 Enrollment: Limited to 15.

Barbara L. Hillers and others

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Introduction to spoken and written Irish.

Note: It is suggested that this course be followed by Celtic 133r.

***Celtic 133r. Intermediate Modern Irish**

Catalog Number: 6689 Enrollment: Limited to 15.

Barbara L. Hillers and others

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Development of oral competence and writing skills.

Prerequisite: Celtic 132 or permission of instructor.

Celtic 137. Celtic Mythology - (New Course)

Catalog Number: 1300

Tomás Ó Cathasaigh

Half course (spring term). M., W., (F.), at 12. EXAM GROUP: 5

A survey of the sources for the study of Celtic mythology, with special attention to selected texts from early Ireland and Wales.

Note: Expected to be omitted in 2007–08. All texts are read in English translation.

[Celtic 138. Narrative Traditions of Medieval Wales]

Catalog Number: 6480

Catherine McKenna

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

An exploration of the Four Branches of the Mabinogi, Welsh Arthurian romances and tales, and the bardic lore associated with them, in the context of the literary culture of Wales in the twelfth through fourteenth centuries.

Note: Expected to be given in 2008–09. All texts are read in English translation.

[Celtic 151. The Literature of Medieval Celtic Christianity]

Catalog Number: 5560

Catherine McKenna

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

A study of selected texts representative of early and medieval Christianity in Ireland and Wales, including monastic rules and penitentials, saints' lives, voyage and vision narratives, and lyric and bardic poetry.

Note: Expected to be given in 2007–08. All texts are read in English translation.

Celtic 160. Advanced Modern Irish

Catalog Number: 0704

Barbara L. Hillers

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Geared to the interests and aptitudes of the participants, this course enhances students' confidence in using Irish as a medium of oral and written communication and introduces them to



the Gaelic literary tradition.

Note: Expected to be omitted in 2007–08. It is suggested that this course be followed by Celtic 161.

Prerequisite: Celtic 133r or permission of instructor.

Celtic 161. Continuing Advanced Modern Irish

Catalog Number: 4421

Barbara L. Hillers

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Continuation of the fall term course.

Note: Expected to be omitted in 2007–08.

Prerequisite: Celtic 160 or permission of instructor.

Celtic 166. The Folklore of Women - (New Course)

Catalog Number: 0509

Barbara L. Hillers

Half course (fall term). M., W., (F.), at 3. EXAM GROUP: 8

Investigates women's songs and stories collected from Irish, Scottish, and Breton oral tradition. Reading (and, whenever possible, listening to) ballads, work songs, wonder tales, fairy legends, and humorous anecdotes traditionally performed by women, we explore the way women have used oral literature to enhance, underscore, sidestep, subvert, and transcend the gender roles allocated to them within their rural patriarchal communities.

Note: Expected to be omitted in 2007–08. All texts are read in English translation.

Celtic 184. The Táin

Catalog Number: 2150

Tomás Ó Cathasaigh

Half course (fall term). M., W., (F.), at 12. EXAM GROUP: 5

A study of the exuberant Irish prose epic *Táin Bó Cuailnge* ('Cattle-Raid of Cooley').

Note: Expected to be omitted in 2007–08. Text read in English translation.

Cross-listed Courses

[English 161m. 20th-Century Irish Literature]

[Linguistics 158r. From Indo-European to Old Irish]

Literature and Arts A-67. Poetry and Power: The Celtic Bard - (New Course)

[Literature and Arts C-20. The Hero of Irish Myth and Saga]

Literature and Arts C-22. European Culture in the Middle Ages

Medieval Studies 101. The Auxiliary Disciplines of Medieval History: Proseminar

[Scandinavian 160a. Old Norse Language, Literature, and Culture: The Viking Legacy]

[Scandinavian 160br (formerly Scandinavian 160b). Old Norse Language, Literature, and Culture: Mythology]

Primarily for Graduates



[Celtic 200. Introduction to Old Irish]

Catalog Number: 8266

Tomás Ó Cathasaigh

Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

An introduction to the language of the eighth and ninth centuries, with elementary readings in prose texts.

Note: Expected to be given in 2007–08. It is suggested that this course be followed by Celtic 201.

[Celtic 201. Continuing Old Irish]

Catalog Number: 6073

Tomás Ó Cathasaigh

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

Further grammatical study, with continued reading of saga texts.

Note: Expected to be given in 2007–08.

Prerequisite: Celtic 200 or permission of the instructor.

[Celtic 204r. Readings in Early Irish Poetry](#)

Catalog Number: 8493

Tomás Ó Cathasaigh

Half course (fall term). W., at 1, M., (F.), at 2. EXAM GROUP: 6, 7

Readings in selected texts.

Note: Expected to be omitted in 2007–08.

Prerequisite: Celtic 200 or permission of the instructor.

[Celtic 205r. Readings in Early Irish Prose](#)

Catalog Number: 2705

Tomás Ó Cathasaigh

Half course (spring term). W., (F.), at 2, M., at 3. EXAM GROUP: 7, 8

Readings in selected texts.

Note: Expected to be omitted in 2007–08.

Prerequisite: Celtic 200 or permission of the instructor.

[Celtic 222. Early Irish Manuscript Tradition]

Catalog Number: 1040

Barbara L. Hillers

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

An exploration of the contents and background of the most important manuscript codices, and a practical introduction to Irish palaeography.

Note: Expected to be given in 2007–08.

Prerequisite: A knowledge of Irish and/or Latin is helpful.

[Celtic 225a. Introduction to Middle Welsh](#)

Catalog Number: 3960

Catherine McKenna

Half course (fall term). Tu., Th., at 2. EXAM GROUP: 16



Introduction to the language, leading to the reading of Middle Welsh prose texts.

Note: Expected to be omitted in 2007–08. It is suggested that this course be followed by Celtic 225b.

Celtic 225b. Continuing Middle Welsh

Catalog Number: 4167

Patrick K. Ford

Half course (spring term). Tu., Th., at 2. EXAM GROUP: 16

Further grammatical studies with continued readings of Middle Welsh prose and poetry.

Note: Expected to be omitted in 2007–08.

Prerequisite: Celtic 225a or permission of instructor.

[Celtic 226r. Readings in Middle Welsh]

Catalog Number: 2796

Catherine McKenna

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Readings in native tales, romance, and the poetry of the *cywyddwyr*.

Note: Expected to be given in 2007–08.

Prerequisite: Celtic 225b or permission of the instructor.

[Celtic 227. Seminar: Welsh Bardic Poetry]

Catalog Number: 2580

Catherine McKenna

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Readings from the *beirdd y tywysogion* and the *beirdd yr uchelwyr*; consideration of the social and political contexts of their poetry, its forms, and its relationship to other medieval European poetic traditions.

Note: Expected to be given in 2007–08.

Prerequisite: Knowledge of Welsh or permission of the instructor.

Graduate Courses of Reading and Research

***Celtic 300. Reading and Research**

Catalog Number: 5614

Patrick K. Ford 2921 (spring term only), Barbara L. Hillers 3342, Catherine McKenna 5253 (on leave spring term), and Tomás Ó Cathasaigh 1224

***Celtic 305. Preparation of Doctoral Dissertation**

Catalog Number: 0375

Barbara L. Hillers 3342, Catherine McKenna 5253 (fall term only), Tomás Ó Cathasaigh 1224.



Chemical and Physical Biology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Chemical and Physical Biology

Erin K. O'Shea, Professor of Molecular and Cellular Biology (*Chair and Co-Head Tutor*)
 Howard C. Berg, Herchel Smith Professor of Physics and Professor of Molecular and Cellular Biology
 Michael P. Brenner, Glover Professor of Applied Mathematics and Applied Physics, Tutor in Biochemical Sciences
 Jon Clardy, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Melissa Franklin, Mallinckrodt Professor of Physics
 Rachele Gaudet, Co-Head Tutor in Biochemical Sciences, Associate Professor of Molecular and Cellular Biology
 Stephen C. Harrison, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Eric N. Jacobsen, Sheldon Emery Professor of Chemistry, Tutor in Biochemical Sciences
 David Jeruzalmi, Associate Professor of Molecular and Cellular Biology
 Daniel E. Kahne, Professor of Chemistry and Chemical Biology (*FAS*) and Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*) (*Co-Head Tutor*)
 Nancy Kleckner, Herchel Smith Professor of Molecular Biology
 David R. Liu, Professor of Chemistry and Chemical Biology
 Richard M. Losick, Maria Moors Cabot Professor of Biology
 Robert A. Lue, Professor of the Practice of Molecular and Cellular Biology
 David R. Nelson, Arthur K. Soloman Professor of Biophysics and Professor of Physics and Applied Physics
 Stuart L. Schreiber, Morris Loeb Professor of Chemistry (*on leave 2006-07*)
 Gregory C. Tucci, Lecturer on Chemistry and Chemical Biology
 Suzanne Walker, Professor of Microbiology and Molecular Genetics (*Medical School*)
 Christopher T. Walsh, Hamilton Kuhn Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Xiaoliang Sunney Xie, Professor of Chemistry and Chemical Biology
 Xiaowei Zhuang, Professor of Chemistry and Chemical Biology

The Chemical and Physical Biology concentration is overseen by a Standing Committee, which includes representatives from several departments of the Faculty of Arts and Sciences and from other schools as appropriate to ensure the requisite breadth of the program. The Board of Tutors in Biochemical Sciences, which was established in 1926, runs the Tutorial program for the Chemical and Physical Biology concentration and the Molecular and Cellular Biology concentration. The Tutorial program offers individualized instruction to all concentrators beginning at the time of declaration.

The concentration aims to provide students with the background needed to make new advances in the quantitative understanding of living systems. Chemical and physical biology provides a link between classical approaches to studying biology and the chemical tools and physical



methods required to understand dynamic changes in complex biological systems. For more information about Chemical and Physical Biology courses and the Life Sciences concentrations, visit www.lifescience.fas.harvard.edu/concentrations/.

Primarily for Undergraduates

***Chemical and Physical Biology 91r. Introduction to Research - (New Course)**

Catalog Number: 9168

Erin K. O'Shea and Daniel E. Kahne

Half course (fall term; repeated spring term). Hours to be arranged.

Laboratory research in topics related to the CPB concentration under the direction of, or approved by, members of the Board of Tutors in CPB. A paper must be submitted to the laboratory sponsor and to the CPB Tutorial Office for review by the Head Tutor and Course Director.

Note: Limited to CPB concentrators; written permission of both the tutor and laboratory sponsor must be submitted to the CPB Concentration Office prior to enrolling in the course.

***Chemical and Physical Biology 99. Laboratory Research for Honors Thesis - (New Course)**

Catalog Number: 7918

Erin K. O'Shea and Daniel E. Kahne

Full course (indivisible). Hours to be arranged.

For honors candidates writing a thesis in CPB. Indivisible for students enrolling in the fall term. Students intending to enroll in the fall are required to submit a written proposal to the Head Tutor. Students may enter the course at midyear only with the permission of the Head Tutor. The thesis proposal must be approved by the Head Tutor prior to enrolling in CPB 99.

Chemical Biology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Chemical Biology

Jon Clardy, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
(*Co-Chair*)

Gregory L. Verdine, Erving Professor of Chemistry (*Co-Chair*)

Daniel E. Kahne, Professor of Chemistry and Chemical Biology (*FAS*) and Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Suzanne Walker, Professor of Microbiology and Molecular Genetics (*Medical School*)

***Other Faculty Offering Instruction in Chemical Biology***

Stephen C. Blacklow, Associate Professor of Pathology (*Medical School*)
Eric N. Jacobsen, Sheldon Emery Professor of Chemistry, Tutor in Biochemical Sciences
Randy King, Associate Professor of Cell Biology (*Medical School*)
Peter T. Lansbury, Professor of Neurology (*Medical School*)
David R. Liu, Professor of Chemistry and Chemical Biology
Gavin MacBeath, Associate Professor of Chemistry and Chemical Biology
Timothy J. Mitchison, Hasib Sabbagh Professor of Systems Biology (*Medical School*)
Andrew G. Myers, Professor of Chemistry and Chemical Biology
Stuart L. Schreiber, Morris Loeb Professor of Chemistry (*on leave 2006-07*)
Matthew D. Shair, Professor of Chemistry and Chemical Biology
Pamela A. Silver, Professor of Systems Biology (*Medical School*)
Christopher T. Walsh, Hamilton Kuhn Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Xiaoliang Sunney Xie, Professor of Chemistry and Chemical Biology
Priscilla Yang, Assistant Professor of Microbiology and Molecular Genetics (*Medical School*)
Xiaowei Zhuang, Professor of Chemistry and Chemical Biology

The goal of the Doctoral Program in Chemical Biology is biological discovery, and its approach is the seamless integration of principles and experimental techniques drawn from both chemistry and biology. The focus of chemical biology is on biology, which distinguishes it from traditional chemistry, and it uses chemical tools, which distinguishes it from traditional biology. The field also has deep connections with medicine and pharmacology.

The program spans the current Cambridge and Boston campuses and will engage HMS faculty from the Biological Chemistry and Molecular Pharmacology, Microbiology and Genetics, Systems Biology, and Cell Biology Departments; FAS faculty from the Chemistry and Chemical Biology and Molecular and Cell Biology Departments; and affiliated institutions including Brigham and Women's Hospital, Dana-Farber Cancer Institute, Mass General Hospital, and the Broad Institute of Harvard and MIT.

“Chemical biology” has become the shorthand way of describing a new way of thinking about science and organizing research agendas. As Arthur Kornberg (Nobel Prize in Medicine, 1987) put it so eloquently: “Much of life can be understood in rational terms if expressed in the language of chemistry. It is an international language, a language for all of time, and a language that explains where we came from, what we are, and where the physical world will allow us to go. Chemical language has great esthetic beauty and links the physical sciences to the biological sciences.”

The Chemical Biology program will equip students with the appropriate experimental and theoretical approaches to use or develop chemical tools for understanding biological processes. Each of the courses offered by the Program will emphasize concepts, unsolved (or partially solved) problems and novel technology along with an understanding how and why chemical approaches can drive new experiments and deliver novel insight. Students should leave the program better able to identify important unsolved problems in biology and with an



appreciation of how to choose problems for which chemical approaches will be productive.

For more information on the doctoral program, visit the program's website at www.gsas.harvard.edu/chembio.

Primarily for Graduates

Chemical Biology 2100 (formerly Biophysics 201). Organic Chemistry for Biologists

Catalog Number: 4030

Jon Clardy (Medical School), Suzanne Walker (Medical School), Christopher T. Walsh (Medical School), and Priscilla Yang (Medical School)

Half course (fall term). Tu., Th., 4–5:30. EXAM GROUP: 18

A treatment of the parts of organic chemistry most relevant to biology. The structures of biologically important small molecules and reaction mechanisms will be covered using both natural and therapeutic examples.

Note: Intended for first-year graduate students with an interest in chemical biology and only a modest background in organic chemistry.

Prerequisite: A basic knowledge of organic chemistry.

Chemical Biology 2101. Strategies in Chemical Biology

Catalog Number: 5212

Suzanne Walker (Medical School)

Half course (spring term). Hours to be arranged.

Successful applications of chemical techniques that address biological questions will be dealt with in a series of structured modules. Each module consists of formal lectures, discussions of recent literature, and presentations from outside speakers.

Note: Intended for first-year graduate students in the Chemical Biology program, although others will be admitted with the permission of the instructors.

Prerequisite: Chemical Biology 2100 or equivalent.

Cross-listed Courses

BCMP 200. Molecular Biology

BCMP 201. Proteins: Structure, Function and Catalysis

BCMP 207. Molecular Approaches to Drug Action, Discovery, and Design

BCMP 230. Principles and Practice of Drug Development

Biophysics 101. Genomics, Computing, and Economics

Cell Biology 201. Molecular Biology of the Cell

Chemistry 135. Experimental Synthetic Chemistry

Chemistry 163. Frontiers in Biophysics

***Chemistry 206. Advanced Organic Chemistry**

***Chemistry 215 (formerly Chemistry 115). Advanced Organic Chemistry: Synthesis of Complex Molecules**

***Chemistry 270 (formerly Chemistry 170). Chemical Biology**

***Chemistry 280 (formerly Chemistry 180). Macromolecular Structure and Function**

[*Chemistry 285. Human Disease: Molecular Etiology and Mechanistic Pharmacology]



[Genetics 201. Principles of Genetics](#)
[MCB 120. Cell Cycle Control and Genome Stability](#)
[*MCB 155. Molecular Mechanisms of Gene Control](#)
[MCB 156. Structural Biology of the Flow of Information in the Cell](#)
[Microbiology 200. Molecular Microbiology and Pathogenesis](#)
[Neurobiology 200. Introduction to Neurobiology](#)
[Systems Biology 102. Systems Cell Biology]
[Virology 201 \(formerly Virology 200\). Virology](#)

Graduate Courses of Reading and Research

***Chemical Biology 3000. Introduction to Laboratory Research**

Catalog Number: 1888

Jon Clardy (Medical School) 4667 and members of the Committee

Introductory lectures by associated Chemical Biology faculty members.

Note: Lectures are accompanied by three periods of instruction in laboratories of structural molecular biology, cell and membrane biophysics, molecular genetics and development, neurobiology, bioinformatics, and physical biochemistry. Students normally spend each laboratory period in a different field.

Chemical Physics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on the Degree of Doctor of Philosophy in Chemical Physics

Eric J. Heller, Professor of Chemistry and Physics (*Chair*)

John M. Doyle, Professor of Physics

Roy G. Gordon, Thomas Dudley Cabot Professor of Chemistry

Eugene I. Shakhnovich, Professor of Chemistry and Chemical Biology (*on leave 2006-07*)

Xiaoliang Sunney Xie, Professor of Chemistry and Chemical Biology

Xiaowei Zhuang, Professor of Chemistry and Chemical Biology

Other Faculty Offering Instruction in Chemical Physics

Alexander Dalgarno, Phillips Professor of Astronomy

Cynthia M. Friend, Theodore William Richards Professor of Chemistry and Professor of Materials Science (*on leave fall term*)

Charles M. Lieber, Mark Hyman, Jr. Professor of Chemistry

Eric Mazur, Gordon McKay Professor of Applied Physics and Professor of Physics



Michael B. McElroy, Gilbert Butler Professor of Environmental Studies
Isaac F. Silvera, Thomas D. Cabot Professor of the Natural Sciences
Patrick Thaddeus, Robert Wheeler Willson Professor of Applied Astronomy

The degree of Doctor of Philosophy in Chemical Physics is offered to students with undergraduate education in chemistry or physics. It provides a program of study and research in joint areas of physics and chemistry. The Committee in Chemical Physics serves to aid students interested in chemical physics plan their program of graduate studies. The program of research leading to the PhD may be carried out under the direction of members of the departments of Chemistry, Physics, Astronomy, and the Division of Engineering and Applied Sciences who have interests in chemical physics. Specific information may be obtained from any member of the committee and from the Department of Chemistry Information Office.

Chemistry and Chemical Biology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Chemistry and Chemical Biology

Cynthia M. Friend, Theodore William Richards Professor of Chemistry and Professor of Materials Science (*Chair*) (*on leave fall term*)
James G. Anderson, Philip S. Weld Professor of Atmospheric Chemistry
Alán Aspuru-Guzik, Assistant Professor of Chemistry and Chemical Biology
David A. Evans, Abbott and James Lawrence Professor of Chemistry
Roy G. Gordon, Thomas Dudley Cabot Professor of Chemistry
Eric J. Heller, Professor of Chemistry and Physics
Eric N. Jacobsen, Sheldon Emery Professor of Chemistry, Tutor in Biochemical Sciences (*Director of Undergraduate Studies*)
Daniel E. Kahne, Professor of Chemistry and Chemical Biology (*FAS*) and Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Jeremy R. Knowles, Harvard University Distinguished Service Professor and Amory Houghton Professor of Chemistry and Biochemistry
Christopher C. Landry, Visiting Associate Professor of Chemistry and Chemical Biology (*University of Vermont*) (*spring term only*)
Charles M. Lieber, Mark Hyman, Jr. Professor of Chemistry
David R. Liu, Professor of Chemistry and Chemical Biology
Gavin MacBeath, Associate Professor of Chemistry and Chemical Biology
Andrew G. Myers, Professor of Chemistry and Chemical Biology (*Director of Graduate Studies*)



Hongkun Park, Professor of Chemistry and Chemical Biology
Tobias Ritter, Assistant Professor of Chemistry and Chemical Biology
Alan Saghatelian, Assistant Professor of Chemistry and Chemical Biology
Stuart L. Schreiber, Morris Loeb Professor of Chemistry (*on leave 2006-07*)
Matthew D. Shair, Professor of Chemistry and Chemical Biology
Eugene I. Shakhnovich, Professor of Chemistry and Chemical Biology (*on leave 2006-07*)
Gregory L. Verdine, Erving Professor of Chemistry
George M. Whitesides, Woodford L. and Ann A. Flowers University Professor
Xiaoliang Sunney Xie, Professor of Chemistry and Chemical Biology
Xiaowei Zhuang, Professor of Chemistry and Chemical Biology

Other Faculty Offering Instruction in the Department of Chemistry and Chemical Biology

Mark C. Fishman, Senior Lecturer on Medicine (*Medical School*)
Melissa Franklin, Mallinckrodt Professor of Physics
Dudley R. Herschbach, Frank B. Baird, Jr. Research Professor of Science
Richard H. Holm, Higgins Research Professor of Chemistry
Efthimios Kaxiras, Gordon McKay Professor of Applied Physics and Professor of Physics
Andrew J. M. Kiruluta, Assistant Professor of Radiology (*Medical School*)
Robert A. Lue, Professor of the Practice of Molecular and Cellular Biology
Masahiro Morii, John L. Loeb Associate Professor of the Natural Sciences
Andrew W. Murray, Herchel Smith Professor of Molecular Genetics
Erin K. O'Shea, Professor of Molecular and Cellular Biology
Aravinthan D. T. Samuel, Associate Professor of Physics
Ryan M. Spoering, Lecturer on Chemistry and Chemical Biology
Richard J. Staples, Lecturer on Chemistry and Chemical Biology
Howard A. Stone, Vicky Joseph Professor of Engineering and Applied Mathematics
Gregory C. Tucci, Lecturer on Chemistry and Chemical Biology (*Assistant Director of Undergraduate Studies*)

Affiliates of the Department of Chemistry and Chemical Biology

Jon Clardy, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Suzanne Walker, Professor of Microbiology and Molecular Genetics (*Medical School*)
Christopher T. Walsh, Hamilton Kuhn Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Any freshman with an interest in the life sciences should enroll in Life Sciences 1a in the fall. Life Sciences 1a is appropriate for all freshmen regardless of background in Chemistry. Students taking Life Sciences 1a in the fall who wish to continue their study of chemistry can enroll in either Physical Sciences 1 or Chemistry 20 in the spring. The spring course selection very much depends upon background. Those with an average or non-existent background in Chemistry should enroll in Chemistry 20.

Life Sciences 1a and Physical Sciences 1 together satisfy the one year general chemistry requirement for medical school.



Students who have an interest in the physical sciences and an outstanding background in Chemistry can start directly into organic chemistry in the fall via Chemistry 17, or in the spring via Chemistry 20. Students may not take both Chemistry 17 and 20 for credit. Since there is little or no overlap in content between Chemistry 27 and 30, students may take both courses.

Certain courses in biochemistry and biophysics are listed under Molecular and Cellular Biology or Biophysics (see cross-listings at end of middle group course section.) The Division of Engineering and Applied Sciences, the Department of Physics, and the Department of Earth and Planetary Sciences also list a number of courses of interest to chemists.

Primarily for Undergraduates

Life Sciences 1a. An Integrated Introduction to the Life Sciences: Chemistry, Molecular Biology, and Cell Biology

Catalog Number: 2137

Erin K. O'Shea, Daniel E. Kahne, David R. Liu, Robert A. Lue, and Andrew W. Murray
Half course (fall term). Tu., Th., 10–11:30, and three hours of laboratory/discussion weekly.

EXAM GROUP: 12, 13

What are the fundamental features of living systems? What are the molecules that impart these features, and how do their chemical properties explain their biological roles? The answers to these questions form the basis for an understanding of the molecules of life, the cell, diseases, and medicines. In contrast with a traditional presentation of relevant scientific disciplines in separate courses, the above concepts are examined through an integrated presentation of chemistry, molecular biology, biochemistry, and cell biology framed within central problems such as the biology of HIV and cancer.

Note: This course, in combination with Life Sciences 1b, constitutes an integrated introduction to the Life Sciences. When taken for a letter grade, Life Sciences 1a meets the Core area requirement for Science A.

Physical Sciences 1. Chemical Bonding, Energy, and Reactivity: An Introduction to the Physical Sciences - (New Course)

Catalog Number: 2225

James G. Anderson, Efthimios Kaxiras, Charles M. Lieber, and Hongkun Park
Half course (spring term). M., W., F., at 9, plus one hour per week of discussion and three hours per week of laboratory to be arranged. *EXAM GROUP: 2*

Physical sciences 1 engages the principles of chemistry and physics within major conceptual themes that underpin critical contributions of the physical sciences to societal objectives. In particular, the concepts central to chemical bonding, kinetic theory of molecular motion, thermochemistry, kinetics, equilibria, entropy and free energy, acids and bases, electrochemistry, and nuclear chemistry will be taught in the context of (1) world energy sources, forecasts and constraints, (2) global climate change, and (3) modern materials and technology.

Note: This course is part of an integrated introduction to the physical science intended for students who plan to pursue a concentration in the physical or life sciences and/or satisfy pre-medical requirements in Chemistry. May not be counted toward a degree in addition to the former Chemistry 7. This course, when taken for a letter grade, meets the Core area requirement for Science A.



Prerequisite: A few operations of calculus are developed and used. Fluency in pre-calculus secondary school mathematics is assumed. Exposure to secondary school physics and chemistry is helpful.

Physical Sciences 2. Mechanics, Elasticity, Fluids, and Diffusion - (New Course)

Catalog Number: 6053

Melissa Franklin, Andrew J. M. Kiruluta (Medical School), and Howard A. Stone
Half course (fall term). Tu., Th., 9:30–11, plus weekly discussion sections and laboratory sessions to be arranged. EXAM GROUP: 11, 12

An introduction to classical mechanics, with special emphasis on the motion of organisms in fluids, from proteins to planets. Topics covered include: kinematics, Newton's laws of motion, oscillations, elasticity, random walks, diffusion, and fluids. Examples and problems set questions will be drawn from the life sciences and medicine.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Physical Sciences 1 (or Chemistry 7), Mathematics 1b, or the equivalent.

Physical Sciences 3. Electromagnetism, Light, Entropy, and Information - (New Course)

Catalog Number: 5262

Masahiro Morii, Aravinthan D. T. Samuel, and George M. Whitesides
Half course (spring term). Tu., Th., 9:30–11, plus weekly discussion sections and five laboratory sessions to be arranged. EXAM GROUP: 11, 12

This course will examine the two universal driving forces that guide nearly all chemical and biological phenomena: electromagnetism and entropy. Detailed case studies will examine the biological applications of electromagnetic radiation and the role of information in biological systems. Topics covered include: electric and magnetic fields and forces, light, waves, entropy, and information processing in electronic circuits and in biology.

Note: This course is part of an integrated introduction to the physical sciences intended for students who plan to pursue a concentration in the life sciences and/or satisfy pre-medical requirements in Physics. May not ordinarily be taken for credit in addition to Physics 1b, 11b, or 15b.

Prerequisite: Physical Sciences 2 (or Physics 1a or 11a), Mathematics 1b, or equivalent.

Because of the sequence of prerequisites for chemistry courses, the Department strongly recommends some work in mathematics as well as chemistry in the first year. Freshmen contemplating this program are urged to consult a member of the Chemistry Department in planning their work for the first year. Advice may be obtained in the Assistant Director of Undergraduate Studies' Office, Science Center 114.

Chemistry 17. Principles of Organic Chemistry

Catalog Number: 5085

Eric N. Jacobsen
Half course (fall term). M., W., F., at 11, and a discussion section to be arranged. EXAM GROUP: 4

An introduction to structure, bonding, and reaction mechanisms of organic compounds; chemical transformation of the common functional groups; principles of organic synthesis.

Note: The Chemistry 17/27 sequence is intended primarily for students in the life sciences,



whereas the 20/30 sequence is intended primarily for Chemistry concentrators and other students concentrating in the physical sciences. Either sequence satisfies the organic chemistry requirement for medical school. Students may not count both Chemistry 17 and Chemistry 20 for degree credit. On the other hand, Chemistry 27 and Chemistry 30 cover different material, so students may choose to take both courses for degree credit; students should ordinarily take the third half course only after completing either the 17/27 or 20/30 sequence. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Open to freshmen with a score of 750 or higher in the College Boards or the Chemistry Placement Examination; to students who scored 4 or 5 on the Chemistry Advanced Placement Examination; and to students who achieved a grade of B or higher in either Physical Sciences 1, Chemistry 7, or 15. Others may enter only by permission of the instructor.

Chemistry 20. Organic Chemistry

Catalog Number: 0876

Matthew D. Shair

Half course (spring term). M., W., F., at 9, and a discussion section to be arranged. EXAM GROUP: 2

An introduction to structure and bonding in organic molecules; mechanisms of organic reactions; chemical transformations of the functional groups of organic chemistry; synthesis; determination of chemical structures: infrared and NMR spectroscopy.

Note: The Chemistry 17/27 sequence is intended primarily for students in the life sciences, whereas the 20/30 sequence is intended primarily for Chemistry concentrators and other students concentrating in the physical sciences. Either sequence satisfies the organic chemistry requirement for medical school. The content of Chemistry 17 is similar to that of Chemistry 20, so students may not count both courses toward the degree. On the other hand, Chemistry 27 and Chemistry 30 cover different material, so students may choose to take both courses for degree credit; students should ordinarily take the third half course only after completing either the 17/27 or 20/30 sequence. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Open to freshmen with a score higher than 750 in the College Boards or the Chemistry Placement Examination; to students who scored 5 on the Chemistry Advanced Placement Examination; and to students who achieved a grade of B or higher in either Physical Sciences 1, Chemistry 7, or 15. Others may enter only by permission of the instructor.

Chemistry 27. Organic Chemistry of Life

Catalog Number: 5978

Gregory L. Verdine

Half course (spring term). M., W., 2:30–4, and a discussion section, and a five-hour laboratory each week, to be arranged. EXAM GROUP: 7, 8

Chemical principles that govern the processes driving living systems are illustrated with examples drawn from biochemistry, cell biology, and medicine. The course deals with organic chemical reactivity (reaction mechanisms, structure-reactivity relationships), with matters specifically relevant to the life sciences (chemistry of proteins, nucleic acids, drugs, natural products, cofactors, signal transduction), and with applications of chemical biology to medicine and biotechnology. An understanding of organic reactions and their “arrow pushing” mechanisms is required.



Note: Chemistry 27 and 30 may both be taken for degree credit. See note for Chemistry 17. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Chemistry 17 or Chemistry 30 or Chemistry 20 with permission of the instructor.

Chemistry 30. Organic Chemistry

Catalog Number: 6587

Tobias Ritter

Half course (fall term). Lectures M., W., F., at 9, and laboratory, four to six hours a week, to be arranged. EXAM GROUP: 2

Continuation of Chemistry 20. Fundamental principles and advanced topics in organic chemistry. Carbonyl chemistry and pericyclic reactions are covered in particular detail, using principles of stereochemistry, stereoelectronic theory, and molecular orbital theory as a foundation. Students learn about strategies in multi-step organic synthesis and are introduced to biologically important classes of compounds including alkaloids, carbohydrates, peptides, and nucleic acids.

Laboratory: an introduction to organic chemistry laboratory techniques and experimental organic synthesis.

Note: See note for Chemistry 17. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Chemistry 20 or equivalent.

Chemistry 40. Inorganic Chemistry

Catalog Number: 8201

Christopher C. Landry (University of Vermont)

Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

An introduction to basic concepts of inorganic chemistry. Topics include synthesis, bonding, thermodynamics, stereochemistry, and reactivity of inorganic compounds of the main group and the transition elements.

Prerequisite: Chemistry 17 or 20.

Chemistry 60. Foundations of Physical Chemistry

Catalog Number: 5181

Roy G. Gordon

Half course (spring term). W., F., 1:30–3. EXAM GROUP: 6, 7

A compact introduction to major principles of physical chemistry (statistical mechanics, thermodynamics, and chemical kinetics), concurrently providing mathematical and physical foundations for these subjects and preparation for Chemistry 160 and 161, or Chemistry 105.

Prerequisite: Chemistry 5, 7 or 15 or equivalent; completion or concurrent enrollment in Mathematics 21a or Applied Mathematics 21a; completion or concurrent enrollment in Physics 11a or equivalent.

*Chemistry 91r. Introduction to Research

Catalog Number: 4366

Eric N. Jacobsen, Gregory C. Tucci, and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Reading and/or laboratory work related to one of the research projects under way in the department.



Note: Open to a limited number of chemistry concentrators who are accepted as research students without having taken Chemistry 98. Written permission of the sponsor must be filed at the Office of the Assistant Director of Undergraduate Studies in Chemistry. Any student enrolling in this course must register the name of his or her research mentor with the course head whose signature must appear on each student's study card.

***Chemistry 98r. Introduction to Research—Junior Year**

Catalog Number: 3124

Eric N. Jacobsen, Gregory C. Tucci, and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Research under the direction of, or approved by, a member of the faculty of the Department of Chemistry.

Note: Open with permission of the instructor to junior chemistry majors who have satisfactorily completed the non-credit *Introduction to Research Tutorial* in the spring term of the sophomore year. In that non-credit spring term tutorial, taught Tu., Th., 1–2:30, students will attend introductory lectures and research seminars in order to acquaint themselves with departmental research programs. In the junior year, students who complete the non-credit tutorial and obtain placement in a research laboratory will undertake research as Chemistry 98r. Written permission of the research adviser must be filed at the office of the Assistant Director of Undergraduate Studies in Chemistry. Any student enrolling in this course must register the name of his or her research mentor with the course head whose signature must appear on each student's study card.

***Chemistry 99r. Tutorial—Senior Year**

Catalog Number: 4508

Eric N. Jacobsen, Gregory C. Tucci, and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Research under the direction of, or approved by, a member of the faculty of the Department of Chemistry.

Note: Open to seniors accredited by the Department as honors candidates. Students enrolled in Chem 99r have the option of writing a thesis. Written permission of the research adviser must be filed at the office of the Assistant Director of Undergraduate Studies in Chemistry. Any student enrolling in this course must register the name of his or her research mentor with the course head whose signature must appear on each student's study card.

Cross-listed Courses

[**Earth and Planetary Sciences 107. Environmental Geochemistry**]

Earth and Planetary Sciences 133. Atmospheric Chemistry

[**Engineering Sciences 168. Aquatic Chemistry**]

***Freshman Seminar 22e. Molecular Motors: Wizards of the Nanoworld**

***Freshman Seminar 22j. Seeing by Spectroscopy**

Life Sciences 1b. An Integrated Introduction to the Life Sciences: Genetics, Genomics, and Evolution

MCB 52 (formerly Biological Sciences 52). Molecular Biology

MCB 176. Biochemistry of Membranes



For Undergraduates and Graduates

***Chemistry 100. Experimental Chemistry and Chemical Biology - (New Course)**

Catalog Number: 7796 Enrollment: Limited to 8.

Ahamindra Jain

Half course (spring term). F., at 4, and one five-hour lab each week. EXAM GROUP: 9

A laboratory course that offers students the opportunity to carry out real research. Projects will be drawn directly from ongoing faculty research covering a broad range of methodologies in chemistry and chemical biology. Students will communicate weekly about their progress and plans, and will write formal reports and proposals about their work.

Note: Open to freshmen, sophomores, juniors, and seniors, regardless of concentration, and suitable for students either with or without extensive laboratory experience.

Prerequisite: Life Sciences 1a or permission of the instructor.

Chemistry 105. Mechanisms of Organic Reactions: Physical-Organic Chemistry

Catalog Number: 3181

Ahamindra Jain

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

The study of the relation between structure of carbon compounds and their reactivity and properties. Thermodynamics, electronic structure, reaction mechanisms, reactive intermediates, catalysis, structure-reactivity relations, influence of solvents on reactivity.

Prerequisite: Chemistry 20 and 30, and Chem 60 or MCB 61 with a grade of B- or better (Chem 60 and MCB 61 can be taken concurrently) or an equivalent introductory physical chemistry course.

Chemistry 135. Experimental Synthetic Chemistry

Catalog Number: 3406 Enrollment: Limited to 45.

Ryan M. Spoering

Half course (spring term). M., at 1. EXAM GROUP: 6

An introduction to experimental problems encountered in the synthesis, isolation, purification, characterization, and identification of inorganic and organic compounds. Each student works on a different sequence of reactions, encouraging technical proficiency and simulating actual research.

Note: Preference given to concentrators in Chemistry, Biochemical Sciences, and Biology, in that order. Recommended as an efficient preparation for research in experimental inorganic and organic chemistry and related sciences such as biochemistry and pharmacology. Normally follows Chemistry 27 or 30 and is strongly recommended as preparation for Chemistry 98 and 99.

[Chemistry 154. Crystal Symmetry, Diffraction, and Structure Analysis]

Catalog Number: 8873

Richard J. Staples

Half course (spring term). Hours to be arranged.

Theory of the internal symmetry and arrangement of atoms in crystals. Geometrical and physical aspects of the diffraction process. Methods of crystal structure analysis. Laboratory work involved.



Note: Expected to be given in 2007–08. Given in alternate years.

Prerequisite: Familiarity with atomic structure, basic symmetry principles, linear algebra, and electromagnetic waves.

[Chemistry 158. Materials Chemistry]

Catalog Number: 7504

Charles M. Lieber and Hongkun Park

Half course (fall term). Hours to be arranged.

A survey of current materials research. Topics include: synthesis of bulk, thin film, and nanoscale materials; electronic structure and conduction in materials; optical properties of materials; structure-property relationship; tools for materials research.

Note: Expected to be given in 2007–08. Primarily for advanced undergraduates and graduates.

Prerequisite: Chemistry 15 or equivalent.

Chemistry 160. Physical Chemistry

Catalog Number: 3420

Eric J. Heller

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An introduction to modern theories of the structure of matter, including the principles of quantum mechanics, the electronic structure of atoms and molecules, chemical bonding, and atomic and molecular spectra.

Prerequisite: Applied Mathematics 21a and 21b, Mathematics 21a and 21b, or equivalent preparation in calculus and differential equations; one full course in physics (with an honor grade, if in Physics 1); Chemistry 7, Chemistry 15, or equivalent.

Chemistry 161. Statistical Thermodynamics

Catalog Number: 3575

Xiaowei Zhuang

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An introduction to statistical mechanics, thermodynamics, and chemical kinetics with applications to problems in chemistry.

Note: This course is designed for both undergraduate and graduate students. Requirements differ for each.

Prerequisite: Chemistry 160 and Applied Mathematics 21a, or equivalent.

Chemistry 163. Frontiers in Biophysics

Catalog Number: 3635

Xiaoliang Sunney Xie

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Emerging physical tools are changing the way biological problems are addressed. This interdisciplinary course will introduce new experimental advances, microscopy and spectroscopy in particular, together with underlying principles, in molecular and cellular biophysics.

Note: Primarily for advanced undergraduate students and graduate students with either biological or physical backgrounds.

**Chemistry 165. Experimental Physical Chemistry**

Catalog Number: 0667

*Heather Tavernier**Half course (spring term). Lectures: F., 1–2:30; Laboratories: M., or Tu., 1–5. EXAM GROUP: 6, 7, 8*

Introduction to methods and techniques used in physical chemistry/chemical physics research laboratories. Computer-based methods of data acquisition and analysis are used throughout.

Note: Recommended as an efficient preparation for research in experimental physical chemistry/chemical physics and related sciences.*Prerequisite:* Chemistry 5, Chemistry 7, or equivalent; Applied Mathematics 21a or Mathematics 21a; one full course in physics or equivalent.**Chemistry 192. Principles of Drug Discovery and Development**

Catalog Number: 9628 Enrollment: Limited to 20.

*Gregory L. Verdine and Mark C. Fishman (Medical School)**Half course (spring term). Tu., Th., 11:30–1, and a 1.5-hour weekly section to be arranged. EXAM GROUP: 13, 14*

This interdisciplinary course will examine the process of drug discovery and development through disease-driven examples. Topics include: the efficacy/toxicity balance, the differences between drugs and inhibitors, the translation of cellular biochemistry to useful medicine.

Note: May not be taken concurrently with MCB 192. May not be taken for credit if MCB 192 has already been taken.*Prerequisite:* MCB 52 and one year of organic chemistry. MCB 54 is recommended.***Cross-listed Courses*****Earth and Planetary Sciences 137. Biogeochemistry****MCB 199. Statistical Thermodynamics and Quantitative Biology - (New Course)*****Primarily for Graduates******Chemistry 206. Advanced Organic Chemistry**

Catalog Number: 1063

*David A. Evans**Half course (fall term). F., M., W., at 10. EXAM GROUP: 3*

A discussion of the important classes of organic reactions will be presented. Topics include rearrangements, cycloadditions, carbonyl additions, and enolate-based transformations. An introduction to FMO theory and stereoelectronic effects will be provided.

Prerequisite: Chemistry 30 or permission of instructor.***Chemistry 215 (formerly Chemistry 115). Advanced Organic Chemistry: Synthesis of Complex Molecules**

Catalog Number: 0480

*Andrew G. Myers**Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14*

An integrated course in complex synthetic problem solving that focuses on the development of



principles and strategies for synthesis design with a concurrent, comprehensive review of modern synthetic transformations.

Prerequisite: Chemistry 105 or a grade of A in Chemistry 30.

Chemistry 240. Statistical Mechanics

Catalog Number: 5215

Biman Bagchi

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Equilibrium and nonequilibrium statistical mechanics, with a strong emphasis on interacting systems, including the thermodynamics and structure of gases, liquids, and crystals, critical phenomena, and the theory of transport processes.

Prerequisite: Chemistry 160 and 161, or permission of instructor.

*Chemistry 242. Quantum Mechanics I

Catalog Number: 2971

Alán Aspuru-Guzik

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Principles of quantum mechanics, particle in a potential well, identical particles, angular momentum, time-independent perturbation theory, chemical bonding in molecules.

Prerequisite: Chemistry 160 or Physics 143, Physics 11 or 12, and Applied Mathematics 105a and 105b, or Mathematics 21, or equivalent.

[*Chemistry 250 (formerly Chemistry 150). Inorganic Chemistry II. Transition Elements]

Catalog Number: 6491

Half course (spring term). Hours to be arranged.

An introduction to the chemistry of the transition elements and bioinorganic chemistry. Liberal use will be made of elementary group theory and quantum chemistry.

Note: Expected to be given in 2007–08.

Prerequisite: Chemistry 15 or 160, or permission of the instructor.

[*Chemistry 253 (formerly Chemistry 153). Organotransition Metal Chemistry]

Catalog Number: 1848

Half course (fall term). Hours to be arranged.

An introduction to transition metal-mediated chemistry. Topics include organometallic and bioinorganic reaction mechanisms.

Note: Expected to be given in 2007–08. Primarily for graduate students and advanced undergraduates in chemistry.

Prerequisite: Chemistry 30 or permission of instructor.

*Chemistry 270 (formerly Chemistry 170). Chemical Biology

Catalog Number: 7754

Gavin MacBeath

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Applying chemical approaches to problems in biology. Topics include: protein design and



engineering; chemical genetics, genomics, and proteomics; drug action and resistance; rational and combinatorial approaches to drug discovery; DNA damage and repair; metabolic engineering.

Prerequisite: A strong background in organic chemistry and biochemistry.

***Chemistry 280 (formerly Chemistry 180). Macromolecular Structure and Function**

Catalog Number: 6449

Alan Saghatelian

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Explores the relationship between the structure and function of biological macromolecules. Emphasis is placed on the chemical principles governing recognition and catalysis in biological systems, using examples drawn from the scientific literature.

[*Chemistry 285. Human Disease: Molecular Etiology and Mechanistic Pharmacology]

Catalog Number: 4005

Gregory L. Verdine

Half course (fall term). Hours to be arranged.

Focuses on the causation and treatment of human disease from a primarily mechanistic, structural and chemical point of view. Lectures will provide the background for in-class talks given by prominent outside speakers.

Note: Expected to be given in 2007–08.

Prerequisite: Chemistry 20/30 or 17/27 or equivalent. Biological Sciences 52 or equivalent.

Cross-listed Courses

Applied Physics 291. Electron Microscopy Laboratory

Biophysics 242r. Special Topics in Biophysics

Earth and Planetary Sciences 200. Atmospheric Chemistry and Physics

Engineering Sciences 268. Environmental Chemical Kinetics

[Physics 218. Modern Dynamical Systems]

Graduate Courses of Reading and Research

A student intending to elect one of the following research courses should consult the instructor as far in advance as possible.

***Chemistry 300. Research and Reading**

Catalog Number: 6307

Members of the Department

Individual work under the supervision of members of the Department.

***Chemistry 300p. Physical Chemistry Seminar**

Catalog Number: 3043

Xiaoliang Sunney Xie 2290 and members of the Department

Full course (indivisible). Th., at 4 or 5 with additional session F., at 5.

Weekly physical chemistry seminar and discussion with a member of the faculty of the



Department of Chemistry and Chemical Biology.

Note: Required for first year physical chemistry and chemical physics graduate students and is strongly recommended for second year physical chemistry and chemical physics graduate students.

***Chemistry 301. Inorganic Chemistry**

Catalog Number: 3748

Richard H. Holm 7015

***Chemistry 302. Organometallic Chemistry**

Catalog Number: 1413

Eric N. Jacobsen 1040

***Chemistry 303. Organic Chemistry**

Catalog Number: 1043

David A. Evans 7774

***Chemistry 304. Theoretical Atomic, Molecular, and Chemical Physics**

Catalog Number: 0532

Eric J. Heller 1074

***Chemistry 311. Physical Chemistry**

Catalog Number: 2640

Charles M. Lieber 3102

***Chemistry 315. Photochemistry and Kinetics**

Catalog Number: 5964

James G. Anderson 6057

***Chemistry 318. Organic Chemistry**

Catalog Number: 4295

George M. Whitesides 7447

***Chemistry 323. Organic Chemistry**

Catalog Number: 2477

Stuart L. Schreiber 2166 (on leave 2006-07)

***Chemistry 325. Physical Chemistry**

Catalog Number: 8530

Cynthia M. Friend 7446 (on leave fall term)

***Chemistry 331. Chemical Biology**

Catalog Number: 1408

Gregory L. Verdine 1980



***Chemistry 336. Physical and Inorganic Chemistry and Materials Science**

Catalog Number: 5266

Roy G. Gordon 1353

***Chemistry 350. Theoretical Physical Chemistry**

Catalog Number: 8285

Eugene I. Shakhnovich 3147 (on leave 2006-07)

***Chemistry 386. Theoretical Chemistry - (New Course)**

Catalog Number: 5300

Alán Aspuru-Guzik 5539

***Chemistry 387. Organic Chemistry**

Catalog Number: 4674

Matthew D. Shair 2280

***Chemistry 388. Organic Chemistry**

Catalog Number: 1979

Andrew G. Myers 8278

***Chemistry 389. Physical Chemistry**

Catalog Number: 5111

Xiaoliang Sunney Xie 2290

***Chemistry 390. Organic Chemistry and Chemical Biology**

Catalog Number: 7469

David R. Liu 2717

***Chemistry 391. Physical Chemistry**

Catalog Number: 9897

Hongkun Park 2485

***Chemistry 393. Physical Chemistry**

Catalog Number: 1273

Xiaowei Zhuang 3991

***Chemistry 394. Chemical Biology and Proteomics**

Catalog Number: 8697

Gavin MacBeath 4347

***Chemistry 396. Organic Chemistry**

Catalog Number: 2293

Daniel E. Kahne 5065



***Chemistry 397. Organic Chemistry**

Catalog Number: 3972

Suzanne Walker (Medical School) 5087

***Chemistry 398. Organic and Organometallic Chemistry - (New Course)**

Catalog Number: 1013

Tobias Ritter 5540

***Chemistry 399. Biochemistry and Chemical Biology - (New Course)**

Catalog Number: 4050

Alan Saghatelian 5541

The Classics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of the Classics

Jan Ziolkowski, Arthur Kingsley Porter Professor of Medieval Latin (*Chair*)

Carmen Arnold-Biucchi, Lecturer on the Classics

Kathleen M. Coleman, Harvard College Professor and Professor of Latin (*Director of Graduate Studies*)

John Duffy, Dumbarton Oaks Professor of Byzantine Philology and Literature, Associate of Eliot House (*on leave fall term*)

David F. Elmer, Assistant Professor of the Classics (*Director of Undergraduate Studies, spring term*) (*on leave 2007-08*)

Albert Henrichs, Eliot Professor of Greek Literature

Scott Fitzgerald Johnson, Lecturer on the Classics

Christopher P. Jones, George Martin Lane Professor of the Classics and of History

Christopher B. Krebs, Assistant Professor of the Classics (*Director of Undergraduate Studies, fall term*) (*on leave spring term*)

Ivy Livingston, Preceptor in the Classics

Nino Luraghi, Professor of the Classics (*on leave fall term*)

David G. Mitten, James Loeb Professor of Classical Art and Archaeology

Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature

Jeremy Rau, Assistant Professor of Classics and Linguistics (*on leave spring term*)

Betsey A. Robinson, Assistant Professor of the Classics and of History of Art and Architecture

Panagiotis Roilos, Associate Professor of Modern Greek, Professor of Modern Greek Studies

Mark Schiefsky, Associate Professor of the Classics (*on leave 2006-07*)



Francesca Schironi, Assistant Professor of the Classics, Post-Doctoral Fellow in the Center for Hellenic Studies (*on leave 2006-07*)

Gisela Striker, Walter C. Klein Professor of Philosophy and of the Classics

R. J. Tarrant, Pope Professor of the Latin Language and Literature

Richard F. Thomas, Professor of Greek and Latin (*on leave 2006-07*)

Benjamin Tipping, Assistant Professor of the Classics

Other Faculty Offering Instruction in the Department of the Classics

Gloria Ferrari Pinney, Professor of Classical Archaeology and Art, Emerita

Calvert Watkins, Victor S. Thomas Professor of Linguistics and of the Classics, Emeritus

Information about requirements for undergraduate and graduate degrees, honors, prizes, and scholarships may be obtained at the office of the Department, Boylston Hall 204. Graduate students in the Faculty of Arts and Sciences may enroll in certain foreign language courses for the grade of Satisfactory/Unsatisfactory. Students should consult with course heads or the department's website (www.fas.harvard.edu/~classics) to determine if a course is offered on that basis.

Classics

Primarily for Undergraduates

***Classics 93r. Advanced Tutorial for Credit**

Catalog Number: 0511

Christopher B. Krebs (fall term), David F. Elmer (spring term), and assistants

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial instruction for course credit open to candidates for honors who are qualified to do special reading projects in Greek and/or Latin.

Note: May be counted for concentration.

***Classics 97a. Tutorial—Sophomore Year**

Catalog Number: 3965

Nino Luraghi

Half course (spring term). M., W., F., at 12.

A study of Greek culture and civilization from the Mycenaean to the Hellenistic age. Key works of literature, history, and philosophy as well as archaeological and artistic evidence will be used in order to analyse Greek culture, religion, and society, and their development in the course of the centuries.

***Classics 97b. Tutorial—Sophomore Year**

Catalog Number: 4839

Christopher B. Krebs

Half course (fall term). Tu., Th., at 10.

The Roman world: introduction to its history, literature, art and archaeology, from its beginnings to the fourth century CE. Two lectures and discussion section each week.



***Classics 98r. Tutorial — Junior Year**

Catalog Number: 6100

Christopher B. Krebs (fall term), David F. Elmer (spring term), and assistants

Half course (fall term; repeated spring term). Tu., 1–4. EXAM GROUP: Spring: 15, 16, 17

*Fall Term Topic: Women in Ancient Greece: Using textual, visual, and archaeological evidence, this course will explore the role of women and construction of female identity in ancient Greek religion, myth, medicine, history, philosophy, and law. Spring Term Topic: Tacitus: All of the Undergraduate reading list selections from the *Agricola* and the *Annals* will be read in Latin; the rest of the works will be read in English.*

Note: May be counted for concentration.

***Classics 99. Tutorial — Senior Year**

Catalog Number: 2350

Christopher B. Krebs (fall term) and David F. Elmer (spring term)

Full course. Hours to be arranged.

Tutorial instruction for course credit (in addition to ordinary tutorial instruction) is open only to candidates for honors writing a thesis in their senior year whose applications for such instruction have been approved by the Director of Undergraduate Studies.

Note: May be counted for concentration. Divisible only with permission of the Director of Undergraduate Studies.

For Undergraduates and Graduates

Classics 160. Biography and Autobiography in the Classical Tradition - (New Course)

Catalog Number: 6205

Scott Fitzgerald Johnson

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

A study of biographical modes of writing in the ancient world. Key works from Greek and Latin literature will be read in English translation, beginning with *The Odyssey* and extending into late antiquity with Augustine's autobiographical *Confessions*. Discussions of historicity, style, and genre will be paramount.

Cross-listed Courses

Celtic 205r. Readings in Early Irish Prose

***Comparative Literature 207. Theory and Methods in Comparative Oral Traditions: Seminar**

[*Comparative Literature 280. Literary Theory and Criticism in the Middle Ages: Seminar]

[*Comparative Literature 287r. Selected Topics in Poetics and Rhetoric: Seminar]

***Freshman Seminar 32q. Imagining the Classical and Modern Mediterranean - (New Course)**

***Freshman Seminar 38m. Meeting the Byzantines - (New Course)**

***Government 2069. Contemporary Virtue Ethics - (New Course)**

***Government 2082. Religion and the First Amendment**

Historical Study B-06. The Roman Games



[Historical Study B-09. The Christian Revolution]

History 10a. Western Societies, Politics, and Cultures: From Antiquity to 1650

[*History 90i. Major Themes in Ancient History]

***History 1051. Roman Imperialism: Conference Course - (New Course)**

History 1085. The Roman Empire, Augustus to Constantine

***History of Art and Architecture 101. The Materials of Art**

[History of Art and Architecture 133. Greek Architecture and Urbanism]

[History of Art and Architecture 138. Hellenistic Art and Architecture]

History of Art and Architecture 139s. Roman Sculpture - (New Course)

***History of Art and Architecture 230. Hadrian's Villa: Tivoli and Beyond - (New Course)**

[History of Science 106. History of Ancient Science]

***History of Science 206r. Ancient Science: Seminar**

***History of Science 207r. Medieval Science: Seminar**

History of Science 297r. Topics in the History of Medieval Latin Science

[Literature 142 (formerly Comparative Literature 142). Germany and the Greeks: Philhellenism from Winckelmann to Heidegger]

Literature 149 (formerly Comparative Literature 149). Irony

[Literature and Arts A-51. Virgil: Poetry and Reception]

Literature and Arts B-21. The Images of Alexander the Great

Literature and Arts C-14. Concepts of the Hero in Greek Civilization

Literature and Arts C-22. European Culture in the Middle Ages

Literature and Arts C-61. The Rome of Augustus

Medieval Studies 101. The Auxiliary Disciplines of Medieval History: Proseminar

***Medieval Studies 102. Latin Palaeography and Manuscript Culture: Seminar**

Medieval Studies 117. Constitutional and Legal History of Medieval England

[Philosophy 102. Aristotle]

***Philosophy 103. Plato's Epistemology and Metaphysics: Proseminar - (New Course)**

[Religion 2348ab. Archaeology and the World of the New Testament: Seminar]

Graduate Courses of Reading and Research

***Classics 300. Direction of Doctoral Dissertations**

Catalog Number: 4543

Kathleen M. Coleman 2289, Emma Dench 5243 (spring term only), John Duffy 1352 (on leave fall term), David F. Elmer 5574 (on leave 2007-08) (spring term only), Albert Henrichs 4085, Christopher P. Jones 3204, Christopher B. Krebs 4877 (on leave spring term), Nino Luraghi 2408 (on leave fall term) (spring term only), David G. Mitten 1290, Gregory Nagy 1423, Gloria Ferrari Pinney 1384, Jeremy Rau 4657 (on leave spring term), Betsey A. Robinson 4361, Panagiotis Roilos 1982, Mark Schiefsky 2354 (on leave 2006-07), Francesca Schironi 4878 (on leave 2006-07), Gisela Striker 2271, R. J. Tarrant 7503, Richard F. Thomas 1630 (on leave 2006-07), Benjamin Tipping 4875, Calvert Watkins 2553, and Jan Ziolkowski 7275

***Classics 301. Reading or Topics Course**

Catalog Number: 3457

Emmanuel Constantine Bourbouhakis 5700 (spring term only), Kathleen M. Coleman 2289, Emma Dench 5243 (spring term only), John Duffy 1352 (on leave fall term), David F. Elmer



5574 (on leave 2007-08) (spring term only), Albert Henrichs 4085, Christopher P. Jones 3204, Christopher B. Krebs 4877 (on leave spring term), Nino Luraghi 2408 (on leave fall term) (spring term only), David G. Mitten 1290, Gregory Nagy 1423, Jeremy Rau 4657 (on leave spring term), Betsey A. Robinson 4361, Panagiotis Roilos 1982, Mark Schiefsky 2354 (on leave 2006-07), Francesca Schironi 4878 (on leave 2006-07), Gisela Striker 2271, R. J. Tarrant 7503, Richard F. Thomas 1630 (on leave 2006-07), Benjamin Tipping 4875, and Jan Ziolkowski 7275
Note: For graduate students whose individual needs are not met by the formal courses offered.

***Classics 302. Special Examinations Direction**

Catalog Number: 2686

Kathleen M. Coleman 2289, Emma Dench 5243 (spring term only), John Duffy 1352 (on leave fall term), David F. Elmer 5574 (on leave 2007-08) (spring term only), Albert Henrichs 4085, Christopher P. Jones 3204, Christopher B. Krebs 4877 (on leave spring term), Nino Luraghi 2408 (on leave fall term), David G. Mitten 1290, Gregory Nagy 1423, Jeremy Rau 4657 (on leave spring term), Betsey A. Robinson 4361, Panagiotis Roilos 1982, Mark Schiefsky 2354 (on leave 2006-07), Francesca Schironi 4878 (on leave 2006-07), Gisela Striker 2271, R. J. Tarrant 7503, Rabun Taylor 4253, Richard F. Thomas 1630 (on leave 2006-07), Benjamin Tipping 4875, and Jan Ziolkowski 7275

***Classics 350. Classical Philology: Proseminar**

Catalog Number: 4026

Kathleen M. Coleman 2289

Half course (fall term). M., 2–4.

Designed to introduce graduate students in Classical Philology to the essential fields, tools, and methodologies of the discipline.

Note: For first-year students working toward the PhD in Classical Philology. Open to other students by permission of instructor.

Greek

Students who have studied classical Greek previously should register at the Department of the Classics, Boylston Hall 204, to take the Harvard placement test in Greek during Freshman Week. Further information on placement in Greek and on the language requirement is available from the Director of Undergraduate Studies.

Primarily for Undergraduates

[Greek Aa \(formerly Greek A\). Beginning Greek](#)

Catalog Number: 0129

Ivy Livingston and assistants

Half course (fall term). Section I and II: M., W., Th., F., at 9; and Section III: M., W., Th., F., at 11. EXAM GROUP: 2, 11

Elements of the Greek language and introductory readings.

Note: No auditors. May be taken pass/fail.



Greek Aab. Beginning Greek (Intensive)

Catalog Number: 0714

Ivy Livingston and assistants

Full course (spring term). M. through F., at 9, M., at 1. EXAM GROUP: 2, 11

For students with little or no previous instruction in Greek who are seriously interested in making quick progress in the language. Covers all basic grammar and considerable practice in reading prose. Students are prepared for Greek 3 or 4.

Note: No auditors. May be taken pass/fail.

Greek Ab (formerly Greek B). Beginning Greek

Catalog Number: 0457

Ivy Livingston and assistants

Half course (spring term). Sections M., W., Th., F., at 9, or 11. EXAM GROUP: 2, 11

Continuation of Greek A. Extensive reading in Attic prose.

Note: No auditors. May be taken pass/fail.

Prerequisite: Greek A or equivalent.

Greek Ac. Review and Reading - (New Course)

Catalog Number: 8283

Ivy Livingston

Half course (fall term). M., W. through F., at 9. EXAM GROUP: 2, 11

For students with more than one year of formal training in Greek who do not place into Greek Ba. The course will combine a review of morphology and syntax with readings from prose authors.

Note: No auditors. May be taken pass/fail.

Greek Ba (formerly Greek 3). Introduction to Attic Prose

Catalog Number: 4696

Ivy Livingston and assistants

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

Selections from several authors, mainly of narrative and dialogue, to be read both as an introduction to the variety of Greek styles and for practice in translation and review of grammar.

Prerequisite: Greek Ab or equivalent.

Greek Bb (formerly Greek 4). Selections from Homer's Iliad

Catalog Number: 3361

Ivy Livingston and assistants

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

An introduction to Homeric poetry: language, meter, formulae, and type scenes.

Prerequisite: Greek Ba or equivalent.

For Undergraduates and Graduates

Greek H. Introductory Greek Prose Composition

Catalog Number: 6323

Scott Fitzgerald Johnson



Half course (fall term). M., W., F., at 10.

Practice in the translation of sentences and connected prose passages into Attic Greek; review of forms and syntax; readings of selections from prose authors.

Prerequisite: Greek Ba or equivalent.

Greek K. Advanced Greek Prose Composition

Catalog Number: 4171

Gregory Nagy

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Composition in the prose style of various authors and genres, with selected readings representing the development of Greek prose and its analysis by scholars, ancient and modern.

Prerequisite: Greek H or equivalent.

Greek 104. Herodotus

Catalog Number: 6340

Albert Henrichs

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

An introduction to Herodotus' dialect and style, concept of history, authorial voice and narrative strategies, and his representation of non-Greek cultures. Selections in Greek from Books I-IV and IX; the entire *Histories* read in English.

Greek 105. Aristophanes

Catalog Number: 1969

Scott Fitzgerald Johnson

Half course (fall term). M., W., at 1. EXAM GROUP: 6

Introduction to Old Attic Comedy and Aristophanes. The *Clouds* and the *Frogs* are read in Greek, with an emphasis on the language, style, meaning, and performance aspects of these two plays.

Greek 106. Sophokles, The Three Theban Plays

Catalog Number: 6274

Albert Henrichs

Half course (spring term). M., W., F., at 12; M., W., F., at 9. EXAM GROUP: 5

An intertextual study of *Oidipous Tyrannos*, *Oidipous at Kolonos*, and *Antigone*, with attention to tragic identity, divine agency, and choral performance. Close reading of representative Greek selections from all three tragedies. The entire 'trilogy' will be read in translation.

Greek 107. Thucydides

Catalog Number: 8281

Nino Luraghi

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

An introduction, combining detailed study of Thucydides' style and rhetorical technique with attention to his sources and methods of composition. The entire *History* read in English; selections in Greek from the prefatory material, the speeches in Books I–III, the debates over Mytilene and Melos, and the narrative of the Sicilian disaster.



Greek 110r. Plato

Catalog Number: 6229

Gisela Striker

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

A close reading of the *Hippias Minor*, *Hippias Major*, and *Euthydemus*.

Greek 112a. History of Greek Literature I

Catalog Number: 3052

Gregory Nagy

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Introduction to the literature of Archaic and early Classical Greece in its social and poetic context. Readings from Homer, Hesiod, lyric poets and Aeschylus, with particular attention to language, genres and their conventions, performance, imagery, and myth.

Note: Classics concentrators are strongly encouraged to take this course.

Greek 112b. History of Greek Literature II

Catalog Number: 6889

David F. Elmer

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

The 5th century and beyond: Sophocles, Euripides, historiography, comedy, philosophy, oratory, and Hellenistic poetry.

Note: Classics concentrators are strongly encouraged to take this course.

Greek 115. Homer: *The Odyssey*

Catalog Number: 3036

Emmanuel Constantine Bourbouhakis

Half course (spring term). Tu., 3–5, Th., at 4. EXAM GROUP: 17, 18

Reading of several books of *The Odyssey*, emphasizing oral tradition and its application to Homer.

Greek 124. The Greek Novel - (New Course)

Catalog Number: 3089

Emmanuel Constantine Bourbouhakis

Half course (spring term). W., 2–5.

An introduction to the novel in ancient literature. Issues covered include the origins of the genre; narrative technique; religion; sexuality; audiences. Selections from the surviving novels are read in the original language; the rest in translation.

[Greek 134. The Language of Homer]

Catalog Number: 5139

Jeremy Rau

Half course (fall term). Hours to be arranged.

Essentials of Greek comparative and historical grammar, and a close reading of *Iliad* 1 and 3. Diachronic aspects of Homeric grammar and diction.

Note: Expected to be given in 2007–08.



Cross-listed Courses

[Literature 142 (formerly Comparative Literature 142). Germany and the Greeks: Philhellenism from Winckelmann to Heidegger]

Primarily for Graduates

***Greek 201. Reading Greek**

Catalog Number: 1968

Albert Henrichs

Half course (spring term). M., W., at 10. EXAM GROUP: 3

Readings of Greek prose and poetry ranging from archaic to imperial, with emphasis on variety, quantity, and quick comprehension of syntactic, stylistic, and generic features. Texts to be selected from the reading list by the participants.

Note: Intended for graduate students in Classical Philology as preparation for the general examinations.

Latin

Students who have studied Latin previously and have not taken the Advanced Placement Test should register at the Office of Instructional Research and Evaluation (20 Garden Street) to take the Harvard Latin Placement Test during Freshman Week. No one who has studied one year or more of Latin will be admitted to Latin A without taking the placement test. Further information on placement in Latin and the language requirement is available from the Director of Undergraduate Studies in Classics (Boylston Hall 214), or the Freshman Dean's Office.

Primarily for Undergraduates

Latin Aa (formerly Latin A). Beginning Latin

Catalog Number: 4759

Ivy Livingston and assistants

Half course (fall term). Sections M., W., Th., F., at 9 or 11. EXAM GROUP: 2, 11

Intended for students who wish to learn, or reacquaint themselves with, the basic elements of the Latin language. Reading of sentences and very brief passages from Latin authors.

Note: No auditors. May be taken pass/fail.

Latin Aab. Beginning Latin (Intensive)

Catalog Number: 7111

Ivy Livingston and assistants

Full course (fall term; repeated spring term). M., through F., at 10, M., at 1. EXAM GROUP: 3, 12

For students with little or no previous instruction in Latin who are seriously interested in making quick progress in the language. Covers all basic grammar and considerable practice in reading prose. Students are prepared for Latin 4.

Note: No auditors. May be taken pass/fail.



Latin Ab (formerly Latin B). Beginning Latin

Catalog Number: 2101

Ivy Livingston and assistants

Half course (spring term). Section I: M., W., Th., F., at 9; Section II: M., W., Th., F., at 11.

EXAM GROUP: 2, 11

Continuation of Latin A. Completion of basic grammar and introduction to reading of connected texts.

Note: No auditors. May be taken pass/fail.

Latin Ac. Review and Reading - (New Course)

Catalog Number: 7033

Ivy Livingston

Half course (fall term). M., W. through F., at 9. EXAM GROUP: 2, 11

For students with more than one year of formal training in Latin who do not place into Latin Ba. The course will combine a review of morphology and syntax with readings from prose authors.

Note: No auditors. May be taken pass/fail.

Latin Ba (formerly Latin 3). Latin Prose Selections (Classical)

Catalog Number: 2344

Ivy Livingston and assistants

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

A bridge between the study of Latin grammar and the reading of prose authors. The readings are short selections from a variety of genres by authors such as Cicero, Pliny, Nepos, Sallust, and Petronius.

Note: Latin Ba and Latin Bam are intended to be equivalent in difficulty and to require identical background (Latin Aa and Ab or the equivalent). Students may take either Ba or Bam for degree credit; they are not allowed to take both courses simultaneously or consecutively.

Prerequisite: Latin Ab or equivalent.

Latin Bam (formerly Latin 3m). Latin Prose Selections (Late Antique and Medieval)

Catalog Number: 7123

Jan Ziolkowski

Half course (fall term). M., W., F., at 9. EXAM GROUP: 2

Begins with a review of fundamentals. Aims at increased facility in reading Latin, through a study of selected post-classical prose texts and authors such as the Vulgate Bible, Augustine, and Abelard.

Note: Latin Ba and Latin Bam are intended to be equivalent in difficulty and to require identical background (Latin Aa and Ab or the equivalent). Students may take either Ba or Bam for degree credit; they are not allowed to take both courses simultaneously or consecutively.

Prerequisite: Latin Ab or equivalent.

Latin Bb (formerly Latin 4). Introduction to Latin Poetry (Classical)

Catalog Number: 2488

Ivy Livingston and assistants

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Selections mainly from Ovid and Virgil.



Note: Latin Bb and Latin Bbm are intended to be equivalent in difficulty and to require identical background (Latin Ba, Latin Bam, or the equivalent). Students may take either Bb or Bbm for degree credit; they are not allowed to take both courses simultaneously or consecutively.

Latin Bbm (formerly Latin 4m). Introduction to Latin Poetry (Late Antique and Medieval)

Catalog Number: 2096

Scott Fitzgerald Johnson

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Selections from epic and lyric.

Note: Latin Bb and Latin Bbm are intended to be equivalent in difficulty and to require identical background (Latin Ba, Latin Bam, or the equivalent). Students may take either Bb or Bbm for degree credit; they are not allowed to take both courses simultaneously or consecutively.

For Undergraduates and Graduates

Latin H. Introductory Latin Prose Composition

Catalog Number: 3814

Ivy Livingston

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Systematic review of Latin syntax and translation of prose passages from English into Latin.

Prerequisite: Latin Ba or equivalent.

[Latin K. Advanced Latin Prose Composition]

Catalog Number: 5018

Christopher B. Krebs

Half course (spring term). Hours to be arranged.

Exercise in the prose style of different authors and periods, working within various subject-areas and genres. As a guide to composition, we will read and analyze illustrative passages from major authors including Cato, Cicero, Sallust, Livy, Seneca, and Tacitus, as well as some distinctive styles in lesser-known authors; we will also consult discussions of rhetoric and prose style by theorists such as Cicero, Seneca, and Quintilian.

Note: Expected to be given in 2007–08.

Latin 109. Lucan's *De Bello Civili*

Catalog Number: 2672

Benjamin Tipping

Half course (fall term). M., W., at 11. EXAM GROUP: 4

Reading of Lucan's *De bello civili*, with a focus on its central figures, Caesar, Pompey, and Cato, and on the relationship between its poetics and its politics.

Latin 112a. History of Latin Literature I

Catalog Number: 7099

Christopher B. Krebs

Half course (fall term). M., W., F., at 9. EXAM GROUP: 2

The literature of the Republic and early Augustan period. Reading of extensive selections from the major authors, with lectures and discussion on the evolution and development of Latin prose



and poetry. The course focuses on a variety of issues: Latin individuality through manipulation of inherited Greek forms, metrical and stylistic developments, evolving poetics, intertextuality and genre renewal, dynamic effects of social and political contexts.

Note: Classics concentrators are strongly encouraged to take this course.

Latin 112b. History of Latin Literature II

Catalog Number: 7643

Benjamin Tipping

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Readings from the literature of the early Empire, with a focus on developments in genre, intertextuality, and socio-political context.

Note: Classics concentrators are strongly encouraged to take this course.

Latin 120. Petronius: *Satyricon*

Catalog Number: 9237

R. J. Tarrant

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Reading and analysis of the surviving portions of Petronius' *Satyricon*. Topics to be treated include the style(s) and genre(s) of the work, elements of parody and satire, and connections to Neronian literature, culture, and society.

Latin 122. Horace Odes

Catalog Number: 2163

Benjamin Tipping

Half course (spring term). M., W., at 12. EXAM GROUP: 5

Horace's use of these traditional poetic forms for political, personal, and literary expression.

Latin 126. Cicero, Catilinarian Orations - (New Course)

Catalog Number: 9406

Christopher P. Jones

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Involves close reading of Cicero, Catilinarians I and II, with attention to the style, language, rhetoric, and the historical background of the turbulent events of Cicero's consulate.

Latin 127. Martial - (New Course)

Catalog Number: 7911

Kathleen M. Coleman

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

This course will study selected epigrams by Martial, whose life spanned the reigns of at least ten emperors from Claudius to Trajan. Special attention will be paid to: the epigrammatic tradition inherited from Hellenistic Greece; metre and diction; literary patronage in Imperial Rome; authorial *persona*; epigram as social critique; the concept of "publication" in Antiquity; the structure and arrangement of a book-length collection of epigrams; chronology of the *Epigrams*; reception from Antiquity to the present.



Latin 128. Caesar - (New Course)

Catalog Number: 5980

Emma Dench

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

A close reading of Caesar's *Gallic War* Books 6-7 and *Civil War* Book 1, with a focus on Caesar's style, his representation of himself, his opponents and major historical events, and on his ethnography of Gauls and Germans.

Latin 134. Archaic Latin

Catalog Number: 1327

Jeremy Rau

Half course (fall term). M., W., at 11. EXAM GROUP: 4

Essentials of Latin comparative and historical grammar, with readings of early Latin inscriptions, legal texts, and selections from Livius Andronicus, Plautus, Ennius, and Cato.

Primarily for Graduates

***Latin 201. Reading Latin**

Catalog Number: 7642

R. J. Tarrant

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

Readings of Latin prose and poetry ranging from archaic to imperial, with emphasis on variety, quantity, and quick comprehension of syntactic, stylistic, and generic features.

Note: Intended for graduate students in Classical Philology as preparation for the general examinations.

Classical Philology

Primarily for Graduates

Classical Philology 221. Cicero, Verrines - (New Course)

Catalog Number: 4183

Kathleen M. Coleman

Half course (spring term). W., 2-4. EXAM GROUP: 7, 8

This seminar studies seven speeches delivered by Cicero against Verres, governor of Sicily, prosecuted for extortion in 70 BC. Special attention will be paid to: political and legal background; rhetorical technique; ancient and modern reception.

Classical Philology 228. Plato on Poets and Poetry - (New Course)

Catalog Number: 2648

Gisela Striker

Half course (spring term). W., 4-6. EXAM GROUP: 9

A look at Plato's notorious criticism of poetry, its authors and performers. Texts will be: *Ion*; excerpts from *Republic* II-III and X and from *Laws* II and VII, plus a few pages from Aristotle that might be seen as responses.



[Classical Philology 237. Sallust] - (New Course)

Catalog Number: 5228

Christopher B. Krebs

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

In-depth analysis of problems relating to Sallust's works and their cultural and literary background. Topics will include: the prologues, the digressions, Sallust's idea of history, metaphors in Sallust, Sallust and Cicero, Thucydides' influence on Sallust, Tacitus' reception of Sallust.

Note: Expected to be given in 2007–08.

Classical Philology 278 (formerly Classics 178). Exemplary Romans

Catalog Number: 6815

Benjamin Tipping

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Introduces the many and varied mechanisms by which Ancient Romans produced and promoted a key aspect of their culture: exemplars. The focus will be on the treatment of exemplary figures in two written genres, epic and historiography.

Classical Philology 288. Ammianus Marcellinus - (New Course)

Catalog Number: 3392

Christopher P. Jones

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

The course studies the last of the Roman historians, concentrating on the books concerned with the emperor Julian (XX-XXV). Subjects to be discussed include the original scope of Ammianus' history, his career and personality, his style and language, his sources, and his religious views.

Classical Philology 289. Antiquity and Beyond: Modern Critical Theories and the Classics - (New Course)

Catalog Number: 8392

Panagiotis Roilos

Half course (fall term). M., 4–6. EXAM GROUP: 9

Explores the relevance of classical literature for modern critical theories and the applicability of current theoretical discourses to classical texts and societies. Topics include: irony; trafficability of art; ritual theory; sexuality; gender studies.

Classical Philology 290. Embedded 'Autobiographies' in Greek Poetry - (New Course)

Catalog Number: 0228

Albert Henrichs

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

A generic and contextual study of first-person 'biographical' accounts, recollections, and flashbacks embedded in epic, lyric, and dramatic texts from Homer to the Hellenistic period, with emphasis on narrative and rhetorical strategies of self-representation.

Medieval Greek



For Undergraduates and Graduates

Medieval Greek 115ar. Introduction to Byzantine Greek

Catalog Number: 7682

John Duffy

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

Introduces the student to medieval Greek language and literature and, through selected readings, to important elements of Byzantine culture and society. Texts chosen from different genres and periods to reflect the great diversity of Byzantine life and letters. Types of literature will include: devotional reading, biographies, chronicles, sacred and secular poetry, letters, ecphraseis, scholarly writings, and histories. Choice of readings will correspond in part to the specific interests and needs of the participants.

Prerequisite: Greek A and B or equivalent.

Medieval Greek 195. Byzantine Saints' Lives of the 7th Century - (New Course)

Catalog Number: 6329

John Duffy

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Before the onset of the “Dark Age” Byzantine hagiography experienced a flourishing period in the late 6th and early 7th century. This course will examine the lives of Theodore of Sykeon, John the Almsgiver, and Symeon Salos, written in the early decades of the 7th century and presenting the activities of holy men in both rural and urban settings.

Cross Listed Courses

***Freshman Seminar 38m. Meeting the Byzantines - (New Course)**

[Religion 2426. Editing Greek Christian Literature: Seminar]

Medieval Latin

For Undergraduates and Graduates

Medieval Latin 150. Abelard and Heloise

Catalog Number: 3240

Jan Ziolkowski

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

Studies a 12th-century couple whose lives and writings left lasting marks on European culture. Besides selections from personal correspondence, examines parts of the *Sic et non* and Abelard's ethical writings, hymns, and lament poems. Close reading of Abelard's letters to correspondents other than Heloise. Considers reputation of Abelard and Heloise in later centuries.

Note: No prior experience with Medieval Latin necessary.

Medieval Latin 251 (formerly Medieval Latin 151). Virgil in the Middle Ages - (New Course)

Catalog Number: 2298

Jan Ziolkowski



Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Examines the reception of Virgil in the Middle Ages. Considers approaches taken to the *Aeneid* in particular in medieval education, from the most literal glosses and commentary in grammar schools to the allegorizations found in more advanced milieux. Surveys adaptations of Virgil's poems by vernacular poets (especially English, French, Italian, and German). Focuses also on folklore associated with Virgil and his poetry.

Cross-listed Courses

[*Comparative Literature 280. Literary Theory and Criticism in the Middle Ages: Seminar]

[Latin Bam \(formerly Latin 3m\). Latin Prose Selections \(Late Antique and Medieval\)](#)
[Latin Bbm \(formerly Latin 4m\). Introduction to Latin Poetry \(Late Antique and Medieval\)](#)
[Literature and Arts C-22. European Culture in the Middle Ages](#)

Classical Archaeology

For Undergraduates and Graduates

[Classical Archaeology 97r. Classical Archaeology](#)

Catalog Number: 3132

Betsey A. Robinson and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial instruction for candidates in Classical Archaeology. Letter graded.

[Classical Archaeology 100. Introduction to Classical Archaeology](#)

Catalog Number: 9954

Betsey A. Robinson

Half course (fall term). M., W., at 11. EXAM GROUP: 4

An overview of the materials, methods, history, and theory of classical archaeology. We will study sites, surveys, excavation, and interpretation, working from general principles of stratigraphy and seriation to specialized topics in art history, structural analysis, topography, epigraphy, numismatics, etc. Sessions on history and theory will introduce major sites, both terrestrial and underwater, and consider the current state of classical archaeology and its relationships with allied disciplines.

[Classical Archaeology 143. Two Panhellenic Greek Sanctuaries: Olympia and Delphi](#)

Catalog Number: 4192

David G. Mitten

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

The cults, art and architecture of these two most important sanctuaries in Greece will receive intensive attention and will serve as the basis for examining how Greek art and religion interacted from the Iron Age through the end of Classical Antiquity.

Prerequisite: Courses in classical archaeology, ancient history, and art history are not required, but would be helpful.



Classical Archaeology 193. Myths and Legends on Ancient Coins - (New Course)

Catalog Number: 8259

Carmen Arnold-Biucchi

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

An introduction to ancient Greek coin types. The course will focus on coins as iconographic documents: what can coins add to the literary tradition and to vase painting and sculpture? Examples are drawn mainly from Greek and Roman provincial coins. The Trojan cycle, the labors of Herakles, and other more local legends will be examined.

Primarily for Graduates

Classical Archaeology 242. Greek Funerary Art

Catalog Number: 0715

David G. Mitten

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

In this seminar, we shall examine different kinds of Greek funerary art and what they can tell us about Greek attitudes toward life, the family, the gods and death, as well as Greek cultural, social, aesthetic, and economic values.

Classical Archaeology 244r (formerly Classical Archaeology 244). Small Greek Bronze Sculptures of the Human Figure: Seminar

Catalog Number: 7197

David G. Mitten

Half course (fall term; repeated spring term). F., 2–4. EXAM GROUP: 7, 8

This seminar will study, research, find parallels, and write entries for a catalogue of ca. 80 Greek bronze human statuettes from a major private collection, from ca. 650 to 300 BC.

Note: Open to undergraduates.

Classical Archaeology 246. Topography and Monuments of Athens - (New Course)

Catalog Number: 1788

Betsey A. Robinson

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Architecture and urban development in Athens from beginnings until late antiquity. Focus on civic center, infrastructure, temples and sanctuaries, festive and memorial landscapes. Attention to current issues, diverse methods, and comparative data.

Cross-listed Courses

***History of Art and Architecture 101. The Materials of Art**

[History of Art and Architecture 133. Greek Architecture and Urbanism]

[Religion 2348ab. Archaeology and the World of the New Testament: Seminar]

Graduate Course of Reading and Research

***Classical Archaeology 351. Classical Archaeology Proseminar**

Catalog Number: 5073



Kathleen M. Coleman 2289

Half course (fall term). Hours to be arranged.

Designed to introduce graduate students in Classical Archaeology to the essential fields, tools, and methodologies of the discipline.

Note: For first-year students working toward the PhD in Classical Archaeology. Open to other students by permission of the instructor.

Modern Greek

Students interested in the Modern Greek Studies Program are encouraged to contact the Director of the Program, Prof. Panagiotis Roilos (*roilos@fas.harvard.edu*).

For Undergraduates and Graduates

Modern Greek A. Elementary Modern Greek

Catalog Number: 8604

Panagiotis Roilos and assistant

Full course. Fall: M., W., F., at 10; Spring: M., W., 4–5:30, and an additional hour for conversation. Laboratory, both terms. EXAM GROUP: Fall: 3; Spring: 9

For students with no knowledge of modern Greek. Basic oral expression, listening comprehension, grammar, reading, and writing. Language instruction is supplemented by reading of simple literary passages and other texts.

Modern Greek B. Intermediate Modern Greek: Language and Civilization

Catalog Number: 8187

Panagiotis Roilos and assistant

Full course. Fall: M., W., F., at 11; Spring: Th., at 5, M., 6:30–8:30. EXAM GROUP: Fall: 4; Spring: 9, 18

Aims at further development of skills in speaking, comprehension, reading, and writing. Selected readings in prose (literary and journalistic), poetry, folksongs, modern music, and theatre serve as an introduction to aspects of modern Greek literature and culture. The second term is conducted in Greek and focuses on topics selected by the instructor and the students in the first term. Grammar is reviewed in the context of readings.

Prerequisite: An elementary knowledge of modern Greek (equivalent to that of Modern Greek A).

***Modern Greek 100. Advanced Modern Greek: Introduction to Modern Greek Literature**

Catalog Number: 8487

Panagiotis Roilos

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Close literary and linguistic analysis of selected readings in prose, theatre, poetry, and folksongs.

Note: Conducted in Greek.

Prerequisite: Modern Greek B or equivalent and permission of instructor.

Cross-listed Courses



[Classical Philology 289. Antiquity and Beyond: Modern Critical Theories and the Classics - \(New Course\)](#)

[*Freshman Seminar 32q. Imagining the Classical and Modern Mediterranean - \(New Course\)](#)

[Literature 149 \(formerly Comparative Literature 149\). Irony](#)

Comparative Literature

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Comparative Literature

Stephen Owen, James Bryant Conant University Professor (*Chair*)

Svetlana Boym, Curt Hugo Reisinger Professor of Slavic Languages and Literatures and Professor of Comparative Literature (*on leave 2007-08*)

Joaquim-Francisco Coelho, Nancy Clark Smith Professor of the Language and Literature of Portugal and Professor of Comparative Literature (*on leave spring term*)

Verena A. Conley, Visiting Professor of Comparative Literature and of Romance Languages and Literatures (*on leave spring term*)

James Engell, Gurney Professor of English Literature and Professor of Comparative Literature

Luis M. Girón Negrón, Professor of Romance Languages and Literatures and of Comparative Literature (*Director of Graduate Studies*)

John T. Hamilton, John L. Loeb Associate Professor of the Humanities

Christopher D. Johnson, Assistant Professor of Comparative Literature

Despina Kakoudaki, Associate Professor of Visual and Environmental Studies and of Comparative Literature (*on leave spring term*)

Sandra Naddaff, Senior Lecturer on Literature and Comparative Literature

Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature

Judith Ryan, Robert K. and Dale J. Weary Professor of German and of Comparative Literature

Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English (*on leave fall term*)

Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of African and African American Studies

Diana Sorensen, James F. Rothenberg Professor of Romance Languages and Literatures and of Comparative Literature, Dean for the Humanities

Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature

William Mills Todd III, Harvard College Professor, Harry Tuchman Levin Professor of Literature, and Professor of Comparative Literature



Ruth R. Wisse, Harvard College Professor, Martin Peretz Professor of Yiddish Literature, and Professor of Comparative Literature (*on leave spring term*)

Other Faculty Offering Instruction in the Department of Comparative Literature

William E. Granara, Professor of the Practice of Arabic on the Gordon Gray Endowment
Jan Ziolkowski, Arthur Kingsley Porter Professor of Medieval Latin

This field is organized to facilitate the systematic study of subjects and problems common to the various literatures. Programs leading to the degrees of AM and PhD may, with the approval of the Department, be undertaken by properly qualified graduate students. Though undergraduates may not concentrate in Comparative Literature, their attention is called to the Literature Concentration, to History and Literature, to the Classics and allied fields, and to options in the concentration in English and American Literature and Language. The courses listed below are designed to supplement the offerings of other departments in ancient and modern languages and related fields, including the Literature and Arts courses in the Core Curriculum.

For Undergraduates and Graduates

Please see the listings of the Literature chapter.

Primarily for Graduates

[*Comparative Literature 207. Theory and Methods in Comparative Oral Traditions: Seminar](#)

Catalog Number: 7426

Gregory Nagy

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Genres, forms, and themes of oral traditions in poetry and prose. Theories of performance and composition. Comparative metrical and formulaic analysis.

Note: Knowledge of Greek not required. Qualified undergraduates welcome.

[*Comparative Literature 210. Comparative Themes in the Literatures of Medieval Spain: Seminar]

Catalog Number: 3298 Enrollment: Limited to 15.

Luis M. Girón Negrón

Half course (spring term). Hours to be arranged.

Jewish-Christian-Muslim interaction as a paradigm of cultural creativity in medieval Iberia.

Examples from the Spanish epic, the *muwashshahat*, Hispano-Jewish poetry, medieval exempla, *maqama* literature, Juan Ruiz and Ibn Hazm, the Sephardic *romancero*, *cancionero* poetry, *La Celestina*, and Spanish mystical literature.

Note: Expected to be given in 2007–08. Spanish, Latin, Arabic, and Hebrew materials are read in English translation, but students are encouraged to work with the originals.

[*Comparative Literature 211. Mysticism and Literature: Seminar]

Catalog Number: 3867



Luis M. Girón Negrón

Half course (fall term). Hours to be arranged.

Trends and debates in the comparative study of mystical literature. Primary works by Jewish, Christian, and Muslim authors from the Middle Ages through the 16th century. Also modern authors (Borges, Eliot, Goytisolo) and literary theorists (DeCerteau).

Note: Expected to be given in 2007–08. Students admitted by permission of course head. Offered jointly with the Divinity School as 3802.

[Comparative Literature 241. Reading Spinoza and Leibniz with Gilles Deleuze - \(New Course\)](#)

Catalog Number: 1652

Christopher D. Johnson

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

“In the history of philosophy,” Deleuze writes, “a commentary should act as a veritable double and bear the maximal modification appropriate to a double.” Examines the thoughts of Spinoza (*The Ethics*) and Leibniz (*The Monadology*, *Discourse on Metaphysics*) in the context of Deleuze’s commentaries.

[Comparative Literature 246. Baroque and Neo-Baroque Literature]

Catalog Number: 7757

Christopher D. Johnson

Half course (spring term). Hours to be arranged.

Examines the Baroque as a literary style, historical period, and mode of thought. Focuses on 17th-century European, colonial American, and contemporary “Neo-Baroque” texts. Analogies between the literary, visual, and musical arts are explored.

Note: Expected to be given in 2007–08. All reading available in translation, but students are encouraged to work in the original languages.

[*Comparative Literature 253. Literature and Politics: The New York Intellectuals]

Catalog Number: 1367

Ruth R. Wisse

Half course (spring term). Hours to be arranged.

Seminar on the first and probably only European-style intelligentsia to develop in America; their creative negotiation between Europe and America; Yiddish and English; Christian and Jewish cultures; highbrow and lowbrow; literature and politics; Marxism and Modernity.

Note: Expected to be given in 2007–08. Open to qualified undergraduates.

[Comparative Literature 255 (formerly German 255). Introduction to German Hermeneutics]

Catalog Number: 2000

John T. Hamilton

Half course (spring term). Hours to be arranged.

Interpretation theories from biblical exegesis to modern hermeneutics. Topics: allegoresis and typology, historicism, poetic obscurity, psychoanalysis, reception theory. Readings: Lessing, Herder, Goethe, Hölderlin, Schleiermacher, Schlegel, Kleist, Hoffmann, Nietzsche, Dilthey,



Freud, Kafka, Heidegger, Gadamer, Habermas, Jauss.

Note: Expected to be given in 2007–08. Readings in German, discussions in English.

***Comparative Literature 257. Trauma, Memory, and Creativity - (New Course)**

Catalog Number: 7853

Susan R. Suleiman

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

We will examine classic and contemporary theories of psychic trauma in individual and collective contexts and explore the relations between trauma, resilience, play, and artistic innovation with special attention to modern literary autobiography; fiction; some attention to film and visual narrative.

Note: Open to qualified juniors and seniors with approval of the instructor.

Prerequisite: Good reading knowledge of French and/or one other non-English language.

***Comparative Literature 261. Memory and Modernity: Seminar**

Catalog Number: 6923 Enrollment: Limited to 15.

Svetlana Boym

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Explores modern art of memory in literary, philosophical, and critical texts. Topics: nostalgia and search for newness, and ethics of remembering, modern “memory sites.” Special attention to contemporary East-European reflection on art, memory, and nation.

Note: All texts available in English, but reading texts in the original is encouraged. Primarily for graduate students, but qualified undergraduates welcome.

[*Comparative Literature 262. Aesthetics and Freedom]

Catalog Number: 5308

Svetlana Boym

Half course (spring term). Hours to be arranged.

Examines philosophical, political, and aesthetic conceptions of freedom from French and American revolutions to postcommunism. Topics: aesthetic education and the space of freedom, the myth of America from a cross-cultural perspective, love, and modern ethics.

Note: Expected to be given in 2007–08. Open to graduate students and qualified undergraduates. The discussions in class are based mostly on the English translations. However, the use of the texts in the original languages (Russian, French, and German) is encouraged for the final paper.

Comparative Literature 263. Journey, Exile, and Displacement in Modern Arabic Literature - (New Course)

Catalog Number: 3125

William E. Granara

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

The course examines narratives of journey, exile, and displacement in modern Arabic literature that trespass geographical, political and linguistic boundaries, and create new literary spaces that define and reshape modern Arab identities. Theoretical readings will include Pratt, Said, Rushdie and Kaplan.

Note: Arabic helpful but not required. Undergraduates welcome.



[Comparative Literature 273. Approaches to Modernity: The Metropolis]

Catalog Number: 2521

Svetlana Boym

Half course (fall term). Hours to be arranged.

Examines the relationship between urban experience and debates on modernity/postmodernity in art, architecture and social theory. Topics: nostalgia and modernization, cultural archeology and architecture of transition, memorial, museum and public art, national identity and cosmopolitan imagination, metropolis and megapolis.

Note: Expected to be given in 2007–08. Students in this class will be encouraged to attend lectures and screenings for VES 184 and develop individual research and/or creative projects.

Comparative Literature 275. Theory of Narrative: Conference Course

Catalog Number: 3105 Enrollment: Limited to 15.

William Mills Todd III

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Studies of selected narratives (fictional, psychoanalytic, historical, sacred) as semiotic structures, representations, rhetorical gambits, and cultural phenomena. Readings by Jakobson, Barthes, Bakhtin, Iser, Lukács, Foucault and others.

Note: Open to advanced undergraduates and graduates. Recommended for potential teaching fellows.

[Comparative Literature 276. Renaissance Poetics and Rhetoric]

Catalog Number: 2534

Christopher D. Johnson

Half course (spring term). Hours to be arranged.

Examines Renaissance literary criticism and theory in the context of the arts of poetry and rhetoric. Topics include imitation, genre, decorum, and the conceit. Readings from Petrarch to Gracián and Boileau.

Note: Expected to be given in 2007–08.

[Comparative Literature 277 (formerly Spanish 185). Memory, History, and Fiction]

Catalog Number: 3774

Diana Sorensen

Half course (fall term). Hours to be arranged.

Explores theoretical conceptions of the three categories with an interdisciplinary approach (literary, philosophical, anthropological, legal, psychological). We will establish multiple connections between theoretical readings and literary texts, photography, film, monuments and political trials.

Note: Expected to be given in 2007–08.

[*Comparative Literature 280. Literary Theory and Criticism in the Middle Ages: Seminar]

Catalog Number: 2215

Jan Ziolkowski

Half course (fall term). Hours to be arranged.

Examines the place of theory and criticism in the curriculum (grammar, rhetoric, and dialectic).



Topics include allegory and allegoresis; continuity of Platonic and Aristotelian traditions; medieval sign theory. Readings from Augustine to Dante and Boccaccio.

Note: Expected to be given in 2007–08.

[*Comparative Literature 283. Language War: Seminar]

Catalog Number: 9342

Marc Shell

Half course (spring term). Hours to be arranged.

Considers language difference as a cause of war. Areas for study include ancient Gilead and Rome as well as Quebec, Nigeria, Hispaniola, the Balkans, Britain, and Israel. Literary problems include translation, heteroglossia, accent, and multilingualism.

Note: Expected to be given in 2007–08. Open to undergraduates by special permission.

[*Comparative Literature 287r. Selected Topics in Poetics and Rhetoric: Seminar]

Catalog Number: 7999

Gregory Nagy

Half course (fall term). Hours to be arranged.

Points of departure: Aristotle's *Poetics* and *Rhetoric*.

Note: Expected to be given in 2007–08. Knowledge of Greek not required. Qualified undergraduates welcome.

***Comparative Literature 299ar. Theory and Comparative Literature: Proseminar**

Catalog Number: 2431

Christopher D. Johnson and John T. Hamilton

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

An investigation into current trends in comparative literature, with an emphasis on methodologies, resources, and theory.

Note: Required of first-year graduate students in Comparative Literature; others may be admitted by permission of the instructors.

Graduate Courses of Reading and Research

***Comparative Literature 396. Preparation for the General Examinations**

Catalog Number: 4570

Svetlana Boym 1926 (on leave 2007-08), Joaquim-Francisco Coelho 7715 (on leave spring term), James Engell 8076, Luis M. Girón Negrón 3060, John T. Hamilton 3977, Christopher D. Johnson 4301, Despina Kakoudaki 3979 (on leave spring term), Gregory Nagy 1423, Stephen Owen 7418, Judith Ryan 1135, Marc Shell 3176 (on leave fall term), Werner Sollors 7424, Diana Sorensen 4214, Susan R. Suleiman 7234, William Mills Todd III 1634, and Ruth R. Wisse 3177 (on leave spring term)

***Comparative Literature 397. Direction of Doctoral Dissertations**

Catalog Number: 0320

Svetlana Boym 1926 (on leave 2007-08), Joaquim-Francisco Coelho 7715 (on leave spring term), James Engell 8076, Luis M. Girón Negrón 3060, William E. Granara 1054, John T. Hamilton 3977, Barbara E. Johnson 7626 (on leave 2006-07), Christopher D. Johnson 4301,



Despina Kakoudaki 3979 (on leave spring term), Sandra Naddaff 7779, Gregory Nagy 1423, Stephen Owen 7418, Judith Ryan 1135, Marc Shell 3176 (on leave fall term), Werner Sollors 7424, Diana Sorensen 4214, Susan R. Suleiman 7234, William Mills Todd III 1634, Ruth R. Wisse 3177 (on leave spring term), and Jan Ziolkowski 7275

***Comparative Literature 399. Reading and Research**

Catalog Number: 2893

Svetlana Boym 1926 (on leave 2007-08), Joaquim-Francisco Coelho 7715 (on leave spring term), Verena A. Conley 2250 (on leave spring term), James Engell 8076, Luis M. Girón Negrón 3060, John T. Hamilton 3977, Christopher D. Johnson 4301, Despina Kakoudaki 3979 (on leave spring term), Sandra Naddaff 7779, Gregory Nagy 1423, Stephen Owen 7418, Judith Ryan 1135, Marc Shell 3176 (on leave fall term), Werner Sollors 7424, Diana Sorensen 4214, Susan R. Suleiman 7234, William Mills Todd III 1634, and Ruth R. Wisse 3177 (on leave spring term)

Candidates for the doctoral degree in Comparative Literature may pursue advanced studies under the individual supervision of these instructors.

Note: Permission of the instructor and the Chairman of the Department required.

Cross-listed Courses

[Classical Philology 289. Antiquity and Beyond: Modern Critical Theories and the Classics - \(New Course\)](#)

[*English 279. Foreign Affair? Literature and Culture of the US Occupation of Germany, 1945–1955: Graduate Seminar - \(New Course\)](#)

[Visual and Environmental Studies 176x. Melodrama](#)

Computer Science

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Division of Engineering and Applied Sciences Offering Instruction in Computer Science

Roger W. Brockett, An Wang Professor of Electrical Engineering and Computer Science

David M. Brooks, Associate Professor of Computer Science on the Gordon McKay Endowment
(*Co-Director of Undergraduate Studies*)

Steven J. Gortler, Robert I. Goldman Professor of Computer Science (*Co-Director of Undergraduate Studies*)

Barbara J. Grosz, Higgins Professor of Natural Sciences (*on leave spring term*)

H. T. Kung, William H. Gates Professor of Computer Science and Electrical Engineering (*on leave fall term*)



Henry H. Leitner, Senior Lecturer on Computer Science
 Harry R. Lewis, Harvard College Professor and Gordon McKay Professor of Computer Science
 Michael D. Mitzenmacher, Gordon McKay Professor of Computer Science
 John G. Morrisett, Allen B. Cutting Professor of Computer Science
 Radhika Nagpal, Assistant Professor of Computer Science on the Gordon McKay Endowment
 Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences, Professor of Physics, Dean of the School of Engineering and Applied Sciences
 Anthony G. Oettinger, Gordon McKay Professor of Applied Mathematics and Professor of Information Resources Policy
 David C. Parkes, John L. Loeb Associate Professor of the Natural Sciences
 Avrom J. Pfeffer, Associate Professor of Computer Science on the Gordon McKay Endowment
 Michael O. Rabin, Thomas J. Watson, Sr. Professor of Computer Science
 Norman Ramsey, Associate Professor of Computer Science on the Gordon McKay Endowment
 Mema Roussopoulos, Assistant Professor of Computer Science on the Gordon McKay Endowment (*on leave 2006-07*)
 Margo I. Seltzer, Harvard College Professor and Herchel Smith Professor of Computer Science (*on leave 2006-07*)
 Stuart M. Shieber, James O. Welch, Jr. and Virginia B. Welch Professor of Computer Science (*on leave 2006-07*)
 Michael D. Smith, Gordon McKay Professor of Computer Science and Electrical Engineering, Dean of the Faculty of Arts and Sciences
 David G. Sullivan, Lecturer on Computer Science
 Salil P. Vadhan, Thomas D. Cabot Associate Professor of Computer Science, Gordon McKay Professor of Computer Science and Applied Mathematics
 Leslie G. Valiant, T. Jefferson Coolidge Professor of Computer Science and Applied Mathematics
 James H. Waldo, Lecturer on Computer Science
 Gu-Yeon Wei, Associate Professor of Electrical Engineering on the Gordon McKay Endowment
 Matthew D. Welsh, Assistant Professor of Computer Science on the Gordon McKay Endowment
 Todd Zickler, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment

The Division of Engineering and Applied Sciences (www.deas.harvard.edu) offers undergraduate and graduate courses in Applied Mathematics, Applied Physics, Computer Science, Earth and Planetary Sciences, and Engineering Sciences. Recommended course programs at the undergraduate level may be obtained from the Academic Office, Pierce Hall 110. Division faculty also offer several courses in the section entitled General Education Electives.

Primarily for Undergraduates

For information concerning concentration in Computer Science please consult the Director of Undergraduate Studies or the Academic Office, Division of Engineering and Applied Sciences, Pierce Hall 110. The Applied Mathematics and Engineering Sciences sections of the catalog should be consulted for additional courses relevant to computer science. In addition, attention is called to the following courses in related fields: Quantitative Reasoning 20; Applied Mathematics 106, 107; Linguistics 112a, 112b; Philosophy 144; Physics 123; and Statistics 110, 111, 171.



Computer Science 1. Great Ideas in Computer Science

Catalog Number: 6903

Henry H. Leitner

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

An introduction to the most important discoveries and intellectual paradigms in computer science, designed for students with little or no previous background. Explores problem-solving using high and low-level programming languages; presents an integrated view of computer systems, from switching circuits up through compilers and GUI design. Examines theoretical and practical limitations related to unsolvable and intractable computational problems, and the social and ethical dilemmas presented by such issues as software unreliability and invasions of privacy.

Note: May not be taken for credit after completing Computer Science 50.

Computer Science 50. Introduction to Computer Science I

Catalog Number: 4949

Michael D. Smith

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Introduction to the intellectual enterprises of computer science. Algorithms: their design, specification, and analysis. Software development: problem decomposition, abstraction, data structures, implementation, debugging, testing. Architecture of computers: low-level data representation and instruction processing. Computer systems: programming languages, compilers, operating systems. Computers in the real world: networks, security and cryptography, artificial intelligence, social issues. Laboratory exercises include extensive programming in the C language.

Note: No previous computer experience required. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Computer Science 51. Introduction to Computer Science II

Catalog Number: 3411

Radhika Nagpal

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Abstraction and design in computation. Topics include: Functional and object-oriented styles of programming; software engineering in the small; implementation of a language interpreter. Goal: understanding how to design large programs to make them readable, maintainable, efficient, and elegant. Exercises in LISP (Scheme) and C++.

Prerequisite: Computer Science 50 or equivalent.

***Computer Science 91r. Supervised Reading and Research**

Catalog Number: 0361

Steven J. Gortler and David M. Brooks

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised individual study of advanced topics in computer science. A student wishing to enroll in Computer Science 91r must be accepted by a faculty member who will supervise the course work. A form available from the Academic Office, Pierce Hall 110, must be filled out and signed by the student and faculty supervisor. Students writing theses may enroll in this course while conducting thesis research and writing.



Note: At most two terms of Computer Science 91r may be taken for academic credit. May not be taken Pass/Fail. Students wishing more information about the range of suitable projects or faculty supervisors should consult the Director of Undergraduate Studies.

For Undergraduates and Graduates

[Computer Science 101. Digital Systems Construction]

Catalog Number: 3166

Half course (fall term). W., F., 3:30–5. EXAM GROUP: 8, 9

A computer science synthesis that starts with Nand gates and ends with applications. Students will build a general-purpose hardware platform using a simple hardware description language, then develop a compiler for a simple object-based language, and build a mini OS. Finally, they will play and develop interactive games like Pong and Tetris on the platform. All the necessary computer science knowledge is covered in the course; the only prerequisite is some programming experience.

Note: Expected to be given in 2007–08.

Prerequisite: Computer Science 50 or equivalent.

Computer Science 120. Introduction to Cryptography

Catalog Number: 5911

Salil P. Vadhan

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Algorithms to guarantee privacy and authenticity of data during communication and computation. Rigorous proofs of security based on precise definitions and assumptions. Topics may include one-way functions, private-key and public-key encryption, digital signatures, pseudorandom generators, higher-level protocols such as electronic cash, and the role of cryptography in network and systems security.

Prerequisite: Computer Science 121 or Computer Science 124.

Computer Science 121. Introduction to Formal Systems and Computation

Catalog Number: 0669

Harry R. Lewis

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

General introduction to formal systems and the theory of computation. Elementary treatment of automata, formal languages, computability, uncomputability, computational complexity, NP-completeness, and mathematical logic.

Computer Science 124. Data Structures and Algorithms

Catalog Number: 5207

Michael D. Mitzenmacher

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Design and analysis of efficient algorithms and data structures. Algorithm design methods, graph algorithms, approximation algorithms, and randomized algorithms are covered.

Prerequisite: Computer Science 50 or equivalent; Computer Science 51 is helpful. Some



exposure to discrete applied mathematics, such as Applied Mathematics 106 or 107 or Computer Science 121 or Statistics 110, is also helpful.

Computer Science 141. Computing Hardware

Catalog Number: 4357

David M. Brooks

Half course (fall term). M., W., 1–2:30, and a two-hour weekly laboratory. EXAM GROUP: 6, 7
 Introduction to the design, structure, and operation of digital computers; logic circuits and digital electronics; computer arithmetic; computer architecture; and machine language programming. Consideration of the design interactions between hardware and software systems.

Prerequisite: Programming experience required.

Computer Science 143. Computer Networks

Catalog Number: 6401

H. T. Kung

Half course (spring term). W., F., 1–2:30. EXAM GROUP: 6, 7

Principles, design, implementation, and performance of computer networks. Topics include: Internet protocols and routing, local area networks, TCP, performance analysis, congestion control, network address translation, voice and video over IP, switching and routing, mobile IP, peer-to-peer overlay networks, network security, and other current research topics. Programming assignments on protocol implementation and analysis.

Prerequisite: Computer Science 51.

[Computer Science 144r. Networks Design Projects]

Catalog Number: 5415

H. T. Kung

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

Cooperative design and development of advanced network-based systems with both technology and business considerations. Students will work in 2 person teams. Student work will include reading assignments, homework sets, a project proposal, and project reports and presentations. At the end of the class, all teams will defend their approaches and results in front of the class and invited guests.

Note: Expected to be given in 2007–08. Preference given to upper-class undergraduates or graduate students in computer science or in business.

Prerequisite: Computer Science 143 or equivalent experience.

***Computer Science 148. Design of VLSI Circuits and Systems**

Catalog Number: 1772 Enrollment: Limited to 16.

Gu-Yeon Wei

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Presentation of concepts and techniques for the design and fabrication of VLSI systems and digital MOS integrated circuits. Topics include: basic semiconductor theory; MOS transistors and digital MOS circuits design; synchronous machines, clocking, and timing issues; high-level description and modeling of VLSI systems; synthesis and place and route design flows; and testing of VLSI circuits and systems. Various CAD tools for design, simulation, and verification



are extensively used.

Prerequisite: Computer Science 141 or permission of instructor.

Computer Science 152. Principles of Programming Languages

Catalog Number: 6841

Norman Ramsey

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Intellectual tools needed to design, evaluate, and choose programming languages. Historical influences on language design. Case studies, reinforced by programming exercises. Advanced languages, abstraction mechanisms. Includes functional, object-oriented, and logic paradigms. Focuses on practice, but covers formal topics crucial for intellectual rigor: abstract syntax, lambda calculus, type systems, and dynamic semantics. Grounding sufficient to read professional literature.

Prerequisite: Computer Science 121. Students must have excellent programming skills, be comfortable with recursion, basic mathematical ideas and notations.

Computer Science 153. Principles of Programming Language Compilation

Catalog Number: 2842

John G. Morrisett

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Implementation of efficient interpreters and compilers for programming languages. Associated algorithms and pragmatic issues. Emphasizes practical applications including those outside of programming languages proper. Also shows relationships to programming-language theory and design. Participants build a working compiler including lexical analysis, parsing, type checking, code generation, and register allocation. Exposure to run-time issues and optimization.

Prerequisite: Computer Science 51.

Computer Science 161. Operating Systems

Catalog Number: 4347

Matthew D. Welsh

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

The fundamental principles of resource management and abstraction in modern operating systems. Control abstractions: threads, processes, scheduling, synchronization. Storage abstractions: dynamic memory allocation, virtual memory, file system design. Communication abstractions: interprocess communication, networking. Case studies. Design and implementation of parts of a multiuser multitasking virtual-memory operating system.

Prerequisite: Computer Science 51.

[Computer Science 164. Internet Technologies]

Catalog Number: 7295

Mema Roussopoulos

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

Survey of current authoring, distributing, and browsing technologies used in the Internet. Topics include: HTTP, DNS and TCP/IP overview, HTML techniques for text, links, forms, and images, client/server paradigm, server-side programming, CGI scripts, dynamic content with Java, how web browsers and web servers work, web caching and replication.



Note: Expected to be given in 2007–08.

Prerequisite: Computer Science 50.

Computer Science 165. Information Management

Catalog Number: 0560

David G. Sullivan

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Covers the fundamental concepts of database and information management. Data models: relational, object-oriented, and other; implementation techniques of database management systems, such as indexing structures, concurrency control, recovery, and query processing; management of unstructured data; terabyte-scale databases.

Prerequisite: Computer Science 51.

Computer Science 175. Computer Graphics

Catalog Number: 3771

Steven J. Gortler

Half course (fall term). M., W., 4–5:30. EXAM GROUP: 9

The computational aspects of computer graphics. Two major themes are image rendering (viewing transformations, clipping, visible-surface processing, raster algorithms, reflection models, lighting models, surface shading, antialiasing, ray tracing, radiosity, and volume rendering) and scene modeling (modeling transformations, curves and surfaces, texture mapping, data-amplification techniques, constructive solid geometry, scalar- and vector-field data, and animation). Ancillary topics include color compression, image compression, image compositing, graphical user interfaces, and special machine architectures for computer graphics.

Prerequisite: Computer Science 51, Applied Mathematics 21b or Mathematics 21b.

Computer Science 181. Intelligent Machines: Perception, Learning, and Uncertainty

Catalog Number: 6454

Avrom J. Pfeffer

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

Introduction to artificial intelligence, focusing on problems of perception, machine learning and reasoning under uncertainty. Supervised learning algorithms. Neural networks and applications to character recognition. Statistical pattern recognition. Bayesian networks: representation, inference and learning. Hidden Markov models and applications to speech recognition. Markov decision processes and reinforcement learning.

Prerequisite: Computer Science 51 and Computer Science 121. Statistics 110 is recommended.

[Computer Science 182. Intelligent Machines: Reasoning, Actions, and Plans]

Catalog Number: 0134

David C. Parkes

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

Introduction to AI, focused on problems in reasoning about action and rational decision making. Search: constraint satisfaction; informed search and optimization; game playing. Knowledge representation and logical inference. Planning: representation, search and heuristics. Bounded rationality, situated agents. Multiagent systems. Discussion of relevant work in philosophy, economics, and decision theory. Applications to scheduling, robotics and e-commerce.



Note: Expected to be given in 2007–08.

Prerequisite: Computer Science 51; Computer Science 121 (may be taken concurrently).

[Computer Science 187. Computational Linguistics]

Catalog Number: 0249

Stuart M. Shieber

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Introduction to computational linguistics, the study of human language using the tools and techniques of computer science, with applications to a variety of natural-language-processing problems. Representing syntactic structure: context-free, augmented context-free, and trans-context-free grammars. Representing semantic structure: first-order and higher-order logics. Computing with syntactic and semantic representations: Prolog programming; parsing and generation algorithms. Low-level language processing with finite-state methods.

Note: Expected to be given in 2008–09.

Prerequisite: Computer Science 121.

Computer Science 199r. Special Topics in Computer Science - (New Course)

Catalog Number: 4242

Michael D. Smith and James H. Waldo

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Topic focus for 2007: Privacy and Technology. Case studies of areas in which there are perceived conflicts between individual privacy and computer technology. Which of these conflicts are real? Which could reasonably be addressed through changes in policy and technology? Areas include RFID, surveillance, biometrics, data aggregation and data mining. Open to all students.

Primarily for Graduates

[Computer Science 220r. Cryptography: Trust and Adversity]

Catalog Number: 1637

Michael O. Rabin

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Modern cryptography. Mathematical foundations. Public-key encryptions, digital signatures, key exchanges, zero-knowledge proofs, authentication, oblivious transfer, secure multi-party computations. Quantum and information theoretic secure encryptions. Foundations: Probabilistic encryption and semantic security. Attacks and countermeasures.

Note: Expected to be given in 2007–08.

[Computer Science 221. Computational Complexity]

Catalog Number: 5812

Leslie G. Valiant

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

A quantitative theory of the resources needed for computing and the impediments to efficient computation. The models of computation considered include ones that are finite or infinite, deterministic, randomized, quantum or nondeterministic, discrete or algebraic, sequential or parallel.



Note: Expected to be given in 2007–08.

Prerequisite: Computer Science 121 or equivalent.

Computer Science 222. Algorithms at the Ends of the Wire

Catalog Number: 2493

Michael D. Mitzenmacher

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Covers topics related to algorithms for big data, especially related to networks. Themes include compression, cryptography, coding, and information retrieval related to the World Wide Web. Requires a major final project.

Prerequisite: Computer Science 124.

[Computer Science 223. Probabilistic Analysis and Algorithms]

Catalog Number: 4740

Michael D. Mitzenmacher

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Probabilistic techniques and tools for the design and analysis of algorithms. Designed for all first-year graduate students in all areas.

Note: Expected to be given in 2007–08.

Prerequisite: Computer Science 124. Preferably additional probability, such as in Computer Science 226r, Statistics 110, or Mathematics 191.

[Computer Science 224r. Randomness in Computation]

Catalog Number: 3380

Michael O. Rabin

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

The surprising efficacy of randomization in the solution of algorithmic and computer science problems. Applications include number theory, cryptography, finite fields, computational geometry, routing, parallel algorithms, pattern matching, distributed systems, self-checking programs, probabilistically checkable proofs.

Note: Expected to be given in 2008–09.

Computer Science 225. Pseudorandomness

Catalog Number: 4869

Salil P. Vadhan

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Efficiently generating objects that “look random” despite being constructed using little or no randomness. Connections and applications to computational complexity, cryptography, and combinatorics. Pseudorandom generators, randomness extractors, expander graphs, error-correcting codes, hash functions.

Prerequisite: Exposure to randomized algorithms (as in Computer Science 124), computational complexity (as in Computer Science 121), and algebra (as in Applied Mathematics 106, Mathematics 123, or Computer Science 226r).

Computer Science 226r. Efficient Algorithms

Catalog Number: 1749



Michael O. Rabin

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Important algorithms and their real life applications. Topics include combinatorics, string matching, wavelets, FFT, computational algebra number theory and geometry, randomized algorithms, search engines, maximal flows, error correcting codes, cryptography, distributed and parallel algorithms.

Computer Science 228. Computational Learning Theory

Catalog Number: 0364

Leslie G. Valiant

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Possibilities of and limitations to performing learning by computational agents. Topics include computational models, polynomial time learnability, learning from examples and learning from queries to oracles. Applications to Boolean functions, automata and geometric functions.

Prerequisite: Computer Science 121 or equivalent.

[Computer Science 229r. Topics in the Theory of Computation]

Catalog Number: 3730

Salil P. Vadhan

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Students read, present, and critically evaluate current research papers in theoretical computer science. See syllabus and web site for specific topics of focus.

Note: Expected to be given in 2008–09.

Prerequisite: Computer Science 121 or equivalent.

[Computer Science 244r. Advanced Networks Design Projects]

Catalog Number: 3018

H. T. Kung

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

The contents and course requirements are similar to those of Computer Science 144r, with the exception that students enrolled in Computer Science 244r are expected to do substantial system implementation and perform graduate-level work.

Note: Expected to be given in 2007–08. Preference given to upper-class undergraduates or graduate students in computer science or in business who are proficient in computer programming or in business software.

Prerequisite: Computer Science 143 or equivalent experience.

Computer Science 246r. Advanced Computer Architecture

Catalog Number: 0979

David M. Brooks

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Covers technology trends in computer system design, with an emphasis on power-aware computing for mobile, embedded, and traditional systems. System design areas include implementation, architecture, system software, and applications.

Note: Taught seminar style after the first several lectures.

Prerequisite: Computer Science 141 recommended. Consult instructor with questions.



***Computer Science 248. Advanced Design of VLSI Circuits and Systems - (New Course)**

Catalog Number: 7191 Enrollment: Limited to 16.

Gu-Yeon Wei

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

The contents and course requirements are similar to those of Computer Science 148, with the exception that students enrolled in Computer Science 248 are expected to do a substantial design project and paper discussions on advanced topics.

Prerequisite: Computer Science 141 or permission of instructor.

Computer Science 250r. Topics in Programming Language Design and Implementation - (New Course)

Catalog Number: 8553

John G. Morrisett

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Seminar course discussing readings from research in programming language design and implementation. This offering will explore unifying abstractions for next-generation programming languages. Transactions and communication, types and effects, types and logics, modules and classes.

Prerequisite: Computer Science 152, Computer Science 153, or equivalent.

Computer Science 252r (formerly Computer Science 252). Advanced Topics in Programming Languages

Catalog Number: 1986

Norman Ramsey

Half course (fall term). M., W., 2–4. EXAM GROUP: 7, 8

Advanced functional programming. Lazy evaluation, monads. Folds and unfolds. Combinators for parsing and prettyprinting. Modules systems. Type systems: polymorphism and overloading, type and constructor classes, higher-order kinds, higher-rank polymorphism, polytypic programming. Implementation: heap profiling.

Prerequisite: Computer Science 152 or permission of the instructor.

[Computer Science 253 (formerly Computer Science 253r). Advanced Topics in Programming Language Compilation]

Catalog Number: 2901 Enrollment: Limited to 18.

Michael D. Smith

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

In-depth introduction to computer optimization. Topics include scalar optimization, register allocation, instruction scheduling, dependence analysis, interprocedural analysis, and cache optimization.

Note: Expected to be given in 2008–09. Preference given to graduate students or upper-class concentrators.

Prerequisite: Computer Science 153 or equivalent.

[Computer Science 255r (formerly Computer Science 255). Topics in Language-Based Security]

Catalog Number: 6216



Michael D. Smith

Half course (spring term). W., F., 2:30–4. EXAM GROUP: 7, 8

Reviews research in programming language-based security mechanisms. Topics include compiler and run-time techniques for enforcing policies; type and proof systems for expressing policies; and static analyses for establishing policies.

Note: Expected to be given in 2007–08. Taught in seminar style.

Prerequisite: Computer Science 152, 153, 252r, 253r, or permission of the instructor.

Computer Science 260r. Topics in Computer Systems - (New Course)

Catalog Number: 7764

Matthew D. Welsh

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Readings from research literature in operating systems, distributed systems, and networking. The topic in 2006 will be "Internet-Scale Sensor Networking." Large-scale querying on Internet data; stream-based database systems; interfacing to sensor networks.

[Computer Science 261. Research Topics in Operating Systems]

Catalog Number: 6706

Mema Roussopoulos

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

A quantitative approach to operating system design and evaluation. Discussion of recent research including extensible operating system architectures, distributed systems, and performance analysis. Overview of research techniques and methodology.

Note: Expected to be given in 2007–08.

Prerequisite: Computer Science 161, or equivalent.

[Computer Science 262. Introduction to Distributed Computing]

Catalog Number: 7949

James H. Waldo

Half course (spring term). M., W., 4–5:30. EXAM GROUP: 9

Examination of the special problems associated with distributive computing (e.g., partial failure and lack of global knowledge) and protocols that function in the face of these problems.

Emphasis on causal ordering, event and RPC-based systems.

Note: Expected to be given in 2007–08.

Prerequisite: Computer Science 161 or permission of instructor.

[Computer Science 263r (formerly Computer Science 263). Wireless Sensor Networks]

Catalog Number: 6846

Matthew D. Welsh

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Recent advances in wireless communications and sensor networks. Wireless networking, routing, standards including 802.11, Bluetooth, and 802.15.4. Embedded OS, programming tools, applications, and security. Students read research papers and undertake a research project.

Note: Expected to be given in 2008–09.

Prerequisite: Computer Science 161 or Computer Science 143.



[Computer Science 264. Peer-to-Peer Systems]

Catalog Number: 6069 Enrollment: Limited to 24.

Mema Roussopoulos

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Discusses research papers on peer-to-peer systems. Topics include: routing, search, caching, security, reputation and trust, incentives, and applications. Students undertake a major research project and lead discussions of readings.

Note: Expected to be given in 2008–09. Preference to graduate students or upper-level concentrators.

Prerequisite: Computer Science 161 or Computer Science 143.

Computer Science 266. Biologically-Inspired Distributed and Multi-Agent Systems

Catalog Number: 0766 Enrollment: Limited to 20.

Radhika Nagpal

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Surveys biologically-inspired approaches to designing distributed systems. Focus is on algorithms, analysis, and programming paradigms. Topics: swarm intelligence, amorphous computing, immune-inspired systems, synthetic biology. Discussion of research papers and a research project required.

Note: Geared toward graduate students of all levels as well as advanced undergraduates.

Preference given to graduate students or upper-level concentrators.

Prerequisite: Experience with algorithms (e.g. Computer Science 124) and programming (e.g. Computer Science 51).

[Computer Science 277. Geometric Modeling in Computer Graphics]

Catalog Number: 3067

Steven J. Gortler

Half course (spring term). M., W., 4–5:30. EXAM GROUP: 9

Advanced seminar in computer graphics focusing on geometric representations and processing. Topics include: direct manipulation, implicit surfaces, spline presentations, recursively subdivided surfaces, model simplification, surface parameterization and processing, mesh generation, and motion capture processing.

Note: Expected to be given in 2007–08.

Prerequisite: Computer Science 175.

Computer Science 278. Rendering and Image Processing in Computer Graphics

Catalog Number: 4883

Steven J. Gortler

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Advanced course in computer graphics focusing on image rendering and processing. Topics include: light transport, efficient rendering, image based rendering, texture processing, interactive image processing.

Prerequisite: Computer Science 175 or permission of instructor.

[*Computer Science 279 (formerly *Computer Science 279r). Topics in User Interfaces: Privacy and Security Usability]



Catalog Number: 1435 Enrollment: Limited to 12.

Stuart M. Shieber

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Seminar on topics drawn from computer-human interfaces, information retrieval, and information visualization. Intensive lab component emphasizes small group design and implementation. Spring 2006 focus is usability of computer security and privacy systems.

Note: Expected to be given in 2007–08.

Prerequisite: Computer Science 51 and experience developing large software systems as evidenced by successful completion of a systems course requiring a large project.

Computer Science 281r. Artificial Intelligence: Reasoning and Planning Systems

Catalog Number: 0707

Avrom J. Pfeffer

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

In-depth study of artificial intelligence techniques for reasoning, planning, and learning. Topics vary from year to year.

Prerequisite: Computer Science 182 or permission of instructor.

[Computer Science 282. Probabilistic Reasoning]

Catalog Number: 3158

Avrom J. Pfeffer

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

In-depth study of principles and techniques for probabilistic reasoning. Topics include: Bayesian networks and Markov networks; exact and approximate inference algorithms; learning Bayesian networks from data; temporal probability models; integrating logic and probability; influence diagrams.

Note: Expected to be given in 2008–09.

Prerequisite: Computer Science 181 or permission of instructor.

[Computer Science 283. Computer Vision]

Catalog Number: 4475

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Vision as an ill-posed inverse problem: image formation, two-dimensional signal processing; image enhancement and restoration; feature analysis; image segmentation; structure from motion, texture, and shading; multiple view geometry; pattern classification; and applications.

Note: Expected to be given in 2007–08.

[Computer Science 285. Multi-agent Planning Systems]

Catalog Number: 1060

Barbara J. Grosz

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Theories and techniques for multi-agent planning, including formal models of rational agents, collaborative plans, and social systems; computational approaches to distributed planning and problem solving, negotiation, and decision theory for planning; collaborative systems design.



Note: Expected to be given in 2007–08.

Prerequisite: Computer Science 181 or 182, or permission of instructor.

Computer Science 286r. Topics at the Interface between Computer Science and Economics

Catalog Number: 1099 Enrollment: Limited to 20.

David C. Parkes

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Interplay between computation and incentives within open decentralized computational systems. Mechanisms and market design, negotiation, social-choice, information-economics and privacy. Readings from theoretical CS, AI, operations research, and economics. Seminar style. Spring 2007: Computational Mechanism Design.

Note: Preference given to graduate students or upper-class concentrators.

Prerequisite: Mathematics 21b, Applied Mathematics 21b, or equivalent; Computer Science 121, 124, and 181 or 182, or equivalents; or permission of instructor.

[Computer Science 287r. Natural Language Processing]

Catalog Number: 3306

Stuart M. Shieber

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

In-depth investigation of natural-language-processing techniques. Topics include: finite-state, context-free, and trans-context-free formalisms, syntactic analysis, semantic interpretation, weighted automata and transducers. Students discuss research papers and undertake a significant research project.

Note: Expected to be given in 2007–08.

Prerequisite: Computer Science 187 or permission of instructor.

[Computer Science 288. Computational Models of Discourse]

Catalog Number: 1392

Barbara J. Grosz

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Computational theories of discourse structure and processing. Topics include: anaphora, focusing, speech acts, collaborative planning and plan recognition algorithms, intonation. Application to dialogue and text-processing systems and design of human-computer interface systems.

Note: Expected to be given in 2008–09.

Prerequisite: Computer Science 182, 187, or 287r or equivalent, or permission of instructor.

Computer Science 299r. Special Topics in Computer Science

Catalog Number: 4592

Michael D. Smith

Half course (fall term; repeated spring term). Hours to be arranged.

Supervision of experimental or theoretical research on acceptable computer science problems and supervision of reading on topics not covered by regular courses of instruction.

Note: Open to graduate students and AB/SM candidates only. Students must arrange such work with a member of the Division. This course is graded and is ordinarily taken with the approval of



the Committee on Higher Degrees. Applicants must file a project sheet before study cards are filed. Project sheets may be obtained from the Academic Office, Pierce Hall 110.

Graduate Courses of Reading and Research

Reading courses are odd-numbered; research courses are even-numbered.

***Computer Science 305,306. Information Resources: Technology and Policy**

Catalog Number: 6364,3478

Anthony G. Oettinger 2403

***Computer Science 307,308. Biologically-Inspired Multi-Agent Systems, Distributed Systems, and Computational Biology**

Catalog Number: 8289,8308

Radhika Nagpal 5068

***Computer Science 309,310. Computational Mechanism Design, Electronic Marketplaces, and Multi-Agent Systems**

Catalog Number: 8764,0931

David C. Parkes 4202

***Computer Science 311,312. Collaborative Systems, AI Planning, and Natural Language Processing**

Catalog Number: 4677,6223

Barbara J. Grosz 1599 (on leave spring term)

***Computer Science 317,318. Distributed Systems, Networking, and Mobile Computing**

Catalog Number: 9388,7137

Mema Roussopoulos 4822 (on leave 2006-07)

***Computer Science 319,320. Distributed Systems, Operating Systems, and Networks**

Catalog Number: 8038,8568

Matthew D. Welsh 4600

***Computer Science 321,322. Databases, Operating System, and Software Design**

Catalog Number: 4085,4086

Margo I. Seltzer 3371 (on leave 2006-07)

***Computer Science 323,324. Human-Computer Communication through Natural, Graphical, and Artificial Languages**

Catalog Number: 2450,2453

Stuart M. Shieber 2456 (on leave 2006-07)

***Computer Science 325,326. Programming Languages and Tools**

Catalog Number: 8055,0747

Norman Ramsey 2831



***Computer Science 327,328. Mathematical Logic, Theory of Computation**

Catalog Number: 1160,3576

Harry R. Lewis 4455

***Computer Science 343,344. Computer Architecture: Modeling and Design**

Catalog Number: 3932,9266

David M. Brooks 4222

***Computer Science 345,346. High-Performance Computer Systems**

Catalog Number: 6154,6156

Michael D. Smith 3372

***Computer Science 347,348. Computer Vision**

Catalog Number: 1882,8831

Todd Zickler 5143

***Computer Science 351,352. Complexity of Computations: Concurrent Programming and Synchronization**

Catalog Number: 0218,0255

Michael O. Rabin 7003

***Computer Science 353,354. Representation and Reasoning, Machine Learning and Decision Making**

Catalog Number: 6816,1843

Avrom J. Pfeffer 2830

***Computer Science 355,356. Computational Complexity, Parallel Computation, Computational Learning, Neural Computation**

Catalog Number: 0345,0346

Leslie G. Valiant 7396

***Computer Science 357,358. Computational Complexity, Cryptography, and Pseudorandomness**

Catalog Number: 3485,8641

Salil P. Vadhan 3833

***Computer Science 359,360. On-line Algorithms and Randomized Algorithms**

Catalog Number: 2104,1477

Michael D. Mitzenmacher 7748

***Computer Science 361,362. Programming Languages and Semantics**

Catalog Number: 8672,8366

John G. Morrisett 4853



***Computer Science 375,376. Computer Graphics**
Catalog Number: 6832,7313
Steven J. Gortler 2824

Dramatic Arts

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Dramatics

Robert Scanlan, Professor of the Practice of Theater (*Chair*)
Elizabeth Weil Bergmann, Dance Director of the ART
Deborah D. Foster, Senior Lecturer on Folklore and Mythology
Marjorie Garber, William R. Kenan, Jr. Professor of English and American Literature and Language and of Visual and Environmental Studies
Jorie Graham, Boylston Professor of Rhetoric and Oratory (*on leave fall term*)
Elizabeth D. Lyman, Assistant Professor of English and American Literature and Language
John C. Megan, Director, Office for the Arts at Harvard (*ex officio*)
Robert J. Orchard, Director of the Loeb Drama Center and Executive Director of the American Repertory Theatre (*ex officio*)
Peter Sacks, John P. Marquand Professor of English (*on leave fall term*)
Elaine Scarry, Walter M. Cabot Professor of Aesthetics and the General Theory of Value
Robert E. Woodruff, Lecturer on Dramatic Arts and Artistic Director of the ART (*ex officio*)

Other Faculty Offering Instruction in Dramatic Arts

Thomas Derrah, Lecturer on Dramatic Arts
Jeremy Geidt, Lecturer on Dramatic Arts
J. Michael Griggs, Lecturer on Dramatic Arts
Nancy K. Houfek, Lecturer on Dramatic Arts
William S. Lebow, Lecturer on Dramatic Arts
Gideon M. Lester, Lecturer on Dramatic Arts (*ex officio*)
Karen L. MacDonald, Lecturer on Dramatic Arts
Claire S. Mallardi, Lecturer on Dramatic Arts
Marcus Stern, Lecturer on Dramatic Arts , Lecturer on English and American Literature and Language
Heather Watts, Visiting Lecturer on Dramatic Arts, Visiting Lecturer on Dramatic Arts (FAS)



only)
Scott Zigler, Lecturer on Dramatic Arts

Primarily for Undergraduates

Dramatic Arts 1. Introduction to Theatre

Catalog Number: 0845

Scott Zigler

Half course (fall term). M., 1:30–3:30. EXAM GROUP: 6, 7, 8

An introduction to and overview of the major collaborative elements of the theatre: playwriting, directing, designing, acting. Also, a discussion of the current state of the theatre in America, giving special attention to productions at the Loeb and in the Boston area. (Students are required to attend at least five different productions.) Students do creative and collaborative work throughout the term, and members of the ART staff give guest lectures in their areas of expertise.

[Dramatic Arts 5. Production Dramaturgy]

Catalog Number: 7592

Robert Scanlan

Half course (fall term). Hours to be arranged.

Principles of dramaturgy introduced and explained in the context of full productions of performance events. Students will apply literary research and analysis techniques to the preparation of scripts for performance, including but not confined to what are known as “plays.” Specific projects will serve as examples for studying historical background, formal plot theory, scene units, tempo dynamics, and action theory, as these must be handled by directors, actors, and stage managers in the rehearsal hall.

Note: Expected to be given in 2007–08. Enrollment determined by interview.

Dramatic Arts 10. Beginning Acting

Catalog Number: 9555

Scott Zigler

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Utilizing primarily scene study work drawn from contemporary material, the course will focus on three main areas: Text analysis, with primary focus on identification of objectives and tactics, character, and moment to moment spontaneity. The course will draw primarily from the theories of David Mamet and Sanford Meisner.

Note: Enrollment determined by audition during the first class meeting.

***Dramatic Arts 11. Beginning Acting**

Catalog Number: 3321

Thomas Derrah

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An exploration of the basic techniques of acting, beginning with exercises that flex the imagination and heighten observation; the course will then move towards work on rhythm, an actor’s instincts, focus, concentration, and character. The texts of Anton Chekhov will be used as a point of reference for the work. The latter part of the course will concentrate on selected scene



study from Chekhov's major plays.
Note: Enrollment determined by audition.

***Dramatic Arts 12. Acting Shakespeare**

Catalog Number: 6659 Enrollment: Limited to 20.

Jeremy Geidt

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Investigation of the texts of Shakespeare as theatre, developing an American approach to verse speaking and character analysis. Scenes are rehearsed to interpret the verse and prose by the light of modern experience. Explores the imagination of the playwright in order to develop the imagination of the student.

Dramatic Arts 13. Acting Workshop: Comedy

Catalog Number: 9926

William S. Lebow

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

A course developing the actor's approach to and playing of comedy and humor. Using characters and scenes from Shakespeare, Molière, Shaw, and contemporary writers from Christopher Durang to Steve Martin, the course focuses on the universality of comic technique and the specific demands of comic playing. The question of humor is explored with respect to dramatic situations and characters that are inherently serious. Student scenes will occasionally be critiqued by members of the A.R.T. Company.

Note: Enrollment determined by audition.

[Dramatic Arts 14. The Art of Movement Design]

Catalog Number: 2983

Elizabeth Weil Bergmann

Half course (fall term). Hours to be arranged.

What makes movement art? Through a combination of readings, lectures, videos and dance improvisation experiences, we investigate how physical energy and movement design choices develop into kinesthetic, dramatic, and artistic experiences for both the performer and the audience. Focusing on time, weight, space, and flow, movement phrases are structured into an understandable, organic whole.

Note: Expected to be given in 2007–08. No previous dance experience is necessary.

Dramatic Arts 15. Movement for Actors and Directors

Catalog Number: 4908

Claire S. Mallardi

Half course (spring term). Tu., Th., 3–5. EXAM GROUP: 17, 18

Emphasis on integration of verbal and non-verbal communication focusing on movement and gesture to enhance, inform, and illuminate text. The goal is to achieve the fullest range and clarity of physical and emotional expression of the body as it relates to the surrounding space. A physical experiential approach is practiced through studies that pertain to the actor's presence on stage, concentrating on structure, organization, control of time, space, energy, and sound. Mask work included.



[Dramatic Arts 16. Dance as a Collaborative Art]

Catalog Number: 8830 Enrollment: Limited to 20.

Elizabeth Weil Bergmann

Half course (spring term). Hours to be arranged.

Focusing upon the relationship between the arts, students apply their analytical and conceptual skills to the creative and collaborative art process. Aspiring student choreographers, composers, writers, and visual artists will create an evening-long event. Artistic collaborations of the 20th century explored through readings, lectures, discussions, and viewing videos.

Note: Expected to be given in 2007–08. No previous dance training is necessary. Enrollment determined by interview. Students are encouraged to take Dramatic Arts 14 prior to enrollment but it is not required.

Dramatic Arts 17. Intermediate Acting

Catalog Number: 9738

Karen L. MacDonald

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An expansion of basic acting techniques, with an emphasis on the work done during rehearsal. How do you prepare for a rehearsal each day? How do you maximize your time in rehearsal? How do you work with different directors? Emphasis is placed on creating a character and building a role. Actors will be doing scene study, monologue work, and improvisation.

Note: Enrollment determined by audition.

[*Dramatic Arts 18r. Advanced Acting: 20th-Century Texts]

Catalog Number: 8011

Marcus Stern

Half course (fall term). Hours to be arranged.

A course of advanced acting techniques using 20th-century dramatic texts for scene work. The emphasis is on text analysis, character development, action based acting, and the creation of an acting process that is specifically tailored to the individual actor. The goal is to provide the actor with concrete skills that produce tangible results in rehearsal and in performance. This course is for actors who are interested in working in theater, television, and/or film.

Note: Expected to be given in 2007–08.

***Dramatic Arts 19. Playwriting and Dramatic Technique**

Catalog Number: 8045 Enrollment: Limited to 8.

Gideon M. Lester (ex officio)

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

An advanced investigation of dramatic technique for students with prior experience of playwriting. The seminar focuses on the structural principles of dramatic composition, examining paradigms from Aristotle to David Mamet and developing a formal methodology for playwriting. Through a series of exercises and draft scenes students gain an understanding of theatrical craft, invaluable to playwrights and dramaturgs, and complete a major piece of dramatic writing.

Note: Admission based on samples of writing submitted to the instructor.



***Dramatic Arts 22r. Directing**

Catalog Number: 8160 Enrollment: Limited to 9.

Marcus Stern

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

A directing class for directors, as well as for actors, dramaturgs, and designers investigating all aspects of theater. The class accomodates beginning to advanced levels of work. Through constant scene work, we examine the directorial tools of text analysis, staging, design, and working with actors. The focus is on understanding texts and explicating your response to those texts on stage. Also useful for directors who are interested in television and film.

Note: May be repeated with instructor and advisor approval. Enrollment determined by short interviews to be conducted on the first day of class.

Dramatic Arts 23. Directing

Catalog Number: 9594

Robert E. Woodruff

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

A class for theatre artists, filmmakers, and other visual artists who want to explore the craft. A background in performance, design, or media creation would be helpful but not essential. ART's Artistic Director Robert Woodruff will use experiments in composition to enhance a dialogue on what tools can be used in creating events on stage, film, and in the visual arts.

Note: Enrollment determined by audition/interview.

[Dramatic Arts 24. Advanced Directing]

Catalog Number: 9650 Enrollment: Limited to 9.

Marcus Stern

Half course (spring term). Hours to be arranged.

An advanced directing course requiring some previous experience: emphasis will be on non-linear texts, staging a non-verbal text, site specific staging, and advanced sound design. Through continual scene work students direct the plays of Beckett, Buchner, Fornes, Parks, Wellman, Ong, Ehn, and address questions such as real time vs. stage time, point of view, narrative vs visceral staging, and the relationship of form and content. This course is useful for directors who are interested in stage, television, and film.

Note: Expected to be given in 2007–08. Enrollment determined by audition/interview. Please bring theater resume to first class.

Dramatic Arts 26. George Balanchine: Ballet Master - (New Course)

Catalog Number: 8847

Heather Watts

Half course (fall term). M., 3–6. EXAM GROUP: 8, 9

Heather Watts, former principal dancer at New York City Ballet, examines the theatrical genius of George Balanchine. This lecture course will include readings, video, discussion, guest artists, and demonstrations, and will address the major aspects of Balanchine's long career, providing insight into the man who created some of the 20th century's most enduring dance-theatre masterpieces.



Dramatic Arts 27. Advanced Ballet and Repertory - (New Course)

Catalog Number: 0980

Heather Watts

Half course (spring term). Th., 3:30–5:30, W., 7:30–9:30 p.m.

Heather Watts, former principal dancer at New York City Ballet, will teach an advanced ballet course for men and women with a focus on gaining a theoretical and practical understanding of ballet technique. Study and in-class rehearsal of the repertory of Balanchine, Bournonville, and Robbins, is designed to provide a sophisticated understanding of the skills that produce a high level of artistic excellence in rehearsal and performance. Additional assignments will include selected readings and written analysis of the techniques and repertory covered in class. For the experienced dancer only; women on pointe.

Note: Enrollment by interview/audition. Grading will be individual- not a comparative grade in relation to another student- and will be based on the assignments, individual progress, class participation, and attendance.

Dramatic Arts 28. Vocal Production for the Stage

Catalog Number: 8900

Nancy K. Houfek

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Whether one is performing in a play, speaking professionally, teaching a class or leading a group, the ability to use one's voice effectively is a primary element of the success of the presentation. Using several major pedagogies of speaking training, students learn not only how to use the voice, but how the pedagogies of voice training correspond to specific performance challenges.

Note: Enrollment determined by interview.

Dramatic Arts 30. Design for the Theatre: History and Practice

Catalog Number: 9503

J. Michael Griggs

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

The practice of designing scenery for the theatre is explored through the history of stage design and the architecture of the theater building. Students complete projects of research and design for plays from various periods. The projects will introduce basic techniques in drawing, drafting, and model making.

***Dramatic Arts 31. Designing for the Stage**

Catalog Number: 1116 Enrollment: Limited to 12.

J. Michael Griggs

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Students prepare and present for criticism stage design projects based on play texts that suggest varying interpretive and stylistic problems. Focus is on examining ideas through research of visual material and analysis of text. Through their design projects, students also complete assignments in perspective drawing, drafting, model making, and lighting design. Students at all levels of skill are welcome.

Cross-listed Courses



[*English Ckr. Playwriting Workshop](#)

[*English Clr. Screenwriting Workshop](#)

[*English 90pb. Dramatic Structure and Analysis](#)

[*English 90qe. Pinter, Stoppard, Churchill, & Frayn - \(New Course\)](#)

[English 162c. Modern Drama](#)

[English 163 \(formerly Dramatic Arts 64\). Dramatic Literature from the Greeks to Ibsen - \(New Course\)](#)

[French 137. 20th-Century French Theater]

[*Freshman Seminar 32v. Goethe's Faust](#)

[Japanese Literature 243r. Major Writers: Santo Kyoden]

[Literature and Arts A-35. Tragic Drama and Human Conflict]

[Literature and Arts C-14. Concepts of the Hero in Greek Civilization](#)

[Literature and Arts C-25. The Medieval Stage](#)

[Literature and Arts C-55. Surrealism: Avant-Garde Art and Politics between the Wars](#)

Earth and Planetary Sciences

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Earth and Planetary Sciences

John H. Shaw, Harry C. Dudley Professor of Structural and Economic Geology (*Chair*)

James G. Anderson, Philip S. Weld Professor of Atmospheric Chemistry

Jeremy Bloxham, Mallinckrodt Professor of Geophysics and Professor of Computational Science, Divisional Dean for the Physical Sciences, Acting Dean for the Life Sciences

Adam M. Dziewonski, Frank B. Baird, Jr. Professor of Science (*on leave spring term*)

Brian F. Farrell, Robert P. Burden Professor of Meteorology

Paul F. Hoffman, Sturgis Hooper Professor of Geology (*on leave spring term*)

John P. Holdren, Professor of Environmental Science and Public Policy (*FAS*) and Teresa and

John Heinz Professor of Environmental Science and Public Policy (*Kennedy School*)

Miaki Ishii, Assistant Professor of Earth and Planetary Sciences

Daniel J. Jacob, Vasco McCoy Family Professor of Atmospheric Chemistry and Environmental Engineering

Stein B. Jacobsen, Professor of Geochemistry

Andrew H. Knoll, Fisher Professor of Natural History and Professor of Earth and Planetary Sciences

Zhiming Kuang, Assistant Professor of Climate Science

Charles H. Langmuir, Higgins Professor of Geochemistry (*Director of Graduate Studies*)

Charles R. Marshall, Professor of Biology and of Geology

James J. McCarthy, Professor of Biological Oceanography and Alexander Agassiz Professor of



Biological Oceanography

Michael B. McElroy, Gilbert Butler Professor of Environmental Studies

Brendan J. Meade, Assistant Professor of Earth and Planetary Sciences

Sujoy Mukhopadhyay, Assistant Professor of Geochemistry

Richard J. O'Connell, Professor of Geophysics (*on leave spring term*)

Ann Pearson, Thomas D. Cabot Associate Professor of Earth and Planetary Sciences

James R. Rice, Mallinckrodt Professor of Engineering Sciences and Geophysics (*on leave spring term*)

Daniel P. Schrag, Professor of Earth and Planetary Sciences and Professor of Environmental Science and Engineering

Sarah Stewart-Mukhopadhyay, Assistant Professor of Planetary Science

Eli Tziperman, Pamela and Vasco McCoy, Jr. Professor of Oceanography and Applied Physics (*on leave fall term*)

Steven C. Wofsy, Abbott Lawrence Rotch Professor of Atmospheric and Environmental Science (*Head Tutor*)

Other Faculty Offering Instruction in the Department of Earth and Planetary Sciences

James L. Davis, Lecturer on Earth and Planetary Sciences

Renata Dmowska, Lecturer on Earth and Planetary Sciences

For more information about Earth and Planetary Sciences, please visit the department's website at www.eps.harvard.edu.

Primarily for Undergraduates

[Earth and Planetary Sciences 5. Introduction to Environmental Science: Atmosphere, Ocean, and Biosphere](#)

Catalog Number: 2207

Michael B. McElroy

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

An introduction to the scientific basis for current concerns regarding possible changes in the global environment. Issues addressed include climate; depletion of stratospheric ozone; regional air pollution; acid rain; disturbance of biogeochemical cycles for life-essential elements C, N, P, and S.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science A.

[Earth and Planetary Sciences 7. Introduction to Geological Sciences](#)

Catalog Number: 0918

Sujoy Mukhopadhyay and Adam M. Dziewonski

Half course (fall term). M., W., F., at 10; three hours of laboratory work each week and two day-long field trips on separate weekends required. EXAM GROUP: 3

A course designed for concentrators but also appropriate for non-concentrators who desire a broad introduction to Earth science. Evolution of the Earth with an emphasis on the processes that have shaped our planet. The theory of plate tectonics is used to explain the occurrence and distribution of earthquakes, volcanoes and mountains. Labs and the weekend field trips



familiarize students with rock types, geological features, and illustrate how geologists infer processes from the rock record.

Note: Also appropriate for non-EPS concentrators who desire a comprehensive introduction to Earth science. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Earth and Planetary Sciences 8. History of the Earth

Catalog Number: 0166

Daniel P. Schrag

Half course (spring term). M., W., F., at 10; two hours of laboratory weekly and two one-day field trips. EXAM GROUP: 3

Examines the major stages and critical events in the history of the Earth, with emphasis on the interactions between global tectonics, the climate system, and biological evolution. Topics range from the formation of the Earth and other planets, to catastrophic events that drove mass extinctions, to the most recent period of human interaction with the environment. Laboratories introduce methods of investigation and analysis of the geological record.

Note: Weekend field trip.

Prerequisite: Secondary-school courses in science (physics, chemistry, biology) and calculus.

***Earth and Planetary Sciences 74. Field Geology**

Catalog Number: 7239

Paul F. Hoffman

Half course (fall term). Hours to be arranged.

Attend a domestic or overseas geological summer field school of 3-6 weeks duration to learn methods of obtaining and interpreting field observations, and preparing geological maps, stratigraphic sections and field reports. Field schools are selected students individually with the advice and approval of the instructor.

Note: Students must notify EPS Head Tutor and instructors of intention to enroll by May 1 of the preceding spring term.

Prerequisite: EPS 7, 8, 150 or 171, are recommended, or permission of instructor.

***Earth and Planetary Sciences 91r. Supervised Reading and Research**

Catalog Number: 1462

John H. Shaw and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Intended for junior or senior concentrators in Earth and Planetary Sciences; open to sophomore concentrators only under exceptional circumstances. Permission of the faculty member under whom the student wants to work and of the Head Tutor is required for enrollment.

May be counted for concentration only with the special permission of the Head Tutor.

***Earth and Planetary Sciences 99. Tutorial — Senior Year**

Catalog Number: 7120

John H. Shaw and members of the Department

Full course. Hours to be arranged.

Note: Senior honors candidates must take at least one term of this course (fall or spring) if writing a thesis. Signature of the Head Tutor required for enrollment.



Cross-listed Courses

[Astronomy 16. Stars and Gas in the Milky Way](#)

For Undergraduates and Graduates

[Earth and Planetary Sciences 100. Computer Tools for Earth Sciences - \(New Course\)](#)

Catalog Number: 0235

Brendan J. Meade and Miaki Ishii

Half course (spring term). Tu., Th., 2:30–4 and three hours of laboratory work each week.

EXAM GROUP: 16, 17

An overview of modern computational tools with applications to the Earth Sciences. Introduction to the MATLAB programming and visualization environment. Topics include: statistical and time series analysis, visualization of two- and three-dimensional data sets, tools for solving linear/differential equations, parameter estimation methods. Labs emphasize applications of the methods and tools to a wide range of data in Earth Sciences.

Note: Given in alternate years.

Prerequisite: Mathematics 1a and 1b, or equivalent

[Earth and Planetary Sciences 107. Environmental Geochemistry]

Catalog Number: 1242

Sujoy Mukhopadhyay

Half course (spring term). Hours to be arranged.

An overview of low-temperature geochemistry through the treatment of a selection of geochemical issues of environmental significance. Each unit places geochemical topics in the context of a broader geological perspective with particular emphasis on chemical principles. Students from all concentrations are welcome.

Note: Expected to be given in 2007–08. Given in alternate years.

Prerequisite: A course in college-level chemistry or permission from the instructor.

[Earth and Planetary Sciences 108. Environmental Geomechanics]

Catalog Number: 6095

James R. Rice

Half course (spring term). Hours to be arranged.

An introduction to fluid and solid mechanics in the context of physical processes in the earth and environmental sciences, with focus on the earth's surface and subsurface. Topics include: Stream flows, water waves, tsunamis; turbulence concepts; erosion and sediment transport, geomorphology. Groundwater hydrology, seepage, contaminant transport, remediation; poroelasticity, consolidation and subsidence. Earth materials, rock and soil strength, landslides, debris flows; glaciers; faulting, earthquake dynamics.

Note: Expected to be given in 2007–08. Given in alternate years. Students who wish to have coverage of the same material at a more advanced level should take the course Engineering Sciences 265.

Prerequisite: Mathematics or Applied Mathematics 21a, b and a calculus-based introduction to physics.



Earth and Planetary Sciences 109. Earth Resources and the Environment

Catalog Number: 2218

John H. Shaw

Half course (spring term). Tu., Th., 10–11:30.

An overview of the Earth's energy and material resources. Following introductions to hydrocarbons, nuclear fuels, and other economically important ores, the course emphasizes methods used to exploit these resources and the environmental impacts of these operations. Topics include: coal and acid rain; petroleum, photochemical smog, and oil spills; nuclear power and radioactive hazards; alternative energies; metals and mining. Labs emphasize methods for discovering and exploiting resources, as well as environmental remediation approaches.

Note: Given in alternate years.

Prerequisite: EPS 7, or 8, or permission of the instructor.

[Earth and Planetary Sciences 121. Terrestrial Planets]

Catalog Number: 8577

Sarah Stewart-Mukhopadhyay

Half course (spring term). Hours to be arranged.

The physical and chemical processes that influence the initial condition, evolution, and current state of terrestrial planets, focusing on the comparative evolution of Venus, Earth, Mars, and large moons. Topics include: planet formation, evolution of atmospheres, interior composition and equations of state, core formation, differentiation, thermal evolution, and major surface modification processes.

Note: Expected to be given in 2007–08. Given in alternate years.

Prerequisite: Physics 11a, b, or permission of instructor.

[Earth and Planetary Sciences 131. Introduction to Physical Oceanography and Climate]

Catalog Number: 2249

Eli Tziperman

Half course (spring term). Hours to be arranged.

Basic observations and theoretical understanding of ocean phenomena from local surface beach waves to the effects of the oceans on global climate. Observations and dynamics of ocean waves, currents, turbulence, temperature and salinity distributions; basic fluid dynamics equations; the ocean's role in climate: wind-driven circulation and the Gulf stream, thermohaline circulation and the potential instability of Europe's climate, El Nino, the oceans and global warming.

Note: Expected to be given in 2007–08. Given in alternate years. When offered, a field trip to Cape Cod and the Woods Hole Oceanographic Institution will be included.

Prerequisite: Applied Mathematics 21a, b; Physics 11 or 15, or permission of instructor.

Earth and Planetary Sciences 132. Introduction to Meteorology and Climate

Catalog Number: 8495

Brian F. Farrell

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Physical concepts necessary to understand atmospheric structure and motion. Phenomena studied include the formation of clouds and precipitation, solar and terrestrial radiation, dynamical balance of the large-scale wind, and the origin of cyclones. Concepts developed for understanding today's atmosphere are applied to understanding the record of past climate change



and the prospects for climate change in the future.

Prerequisite: Mathematics 21 or Applied Mathematics 21, Physics 11 or 15, or permission of instructor.

[Earth and Planetary Sciences 133. Atmospheric Chemistry](#)

Catalog Number: 7731

Daniel J. Jacob

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

A fundamental introduction to the physical and chemical processes determining the composition of the atmosphere and its implications for climate, ecosystems, and human welfare. Origin of the atmosphere. Nitrogen, oxygen, carbon, sulfur, trace metal cycles. Climate and the greenhouse effect. Atmospheric transport and turbulence. Stratospheric ozone. Oxidizing power of the atmosphere. Regional air pollution: aerosols, smog, acid rain.

Prerequisite: A course in college-level chemistry, or equivalent, and Mathematics 1b.

[Earth and Planetary Sciences 137. Biogeochemistry](#)

Catalog Number: 1923

Ann Pearson

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Introduction to biological and organic chemistry of the Earth's environment. Primary focus on the cycles of carbon, nitrogen, oxygen, and hydrogen with emphasis on processes occurring at the molecular level. Includes an introduction to light stable isotope geochemistry and the isotopic records of individual biomolecules in marine and terrestrial environments.

Note: Given in alternate years.

Prerequisite: A course in college-level chemistry or equivalent. Chemistry 17/27 strongly recommended.

[Earth and Planetary Sciences 141. Isotope and Trace Element Geochemistry and Geochronology](#)

Catalog Number: 7724

Stein B. Jacobsen

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

The origin of the element and isotope distribution in the Earth and the Solar System. Closed system radioactive decay, isotope fractionation, mass balance and mixing. Application of Rb-Sr, Sm-Nd, U-Th-Pb, Lu-Hf, Re-Os and K-Ar isotope systems for geochronology and as tracers for geological processes. Noble gas geochemistry. Extinct nuclides. Cosmogenic nuclides. U-Th-series nuclides. Planetary isotopic evolution. Stable isotope geochemistry. Application of H, C, N, O and S isotopes as tracers of geochemical and biogeochemical processes.

Note: Given in alternate years.

Prerequisite: A course in college-level chemistry or equivalent; EPS 7 or equivalent (recommended).

[Earth and Planetary Sciences 145. Introduction to Igneous Petrology and Petrogenesis]

Catalog Number: 5940

Charles H. Langmuir

Half course (spring term). Hours to be arranged.



How igneous rocks form and reveal the processes and fluxes involved in the circulation of the solid Earth. The course begins with the essential elements of igneous petrology—rock description and nomenclature, mineralogy, phase diagrams, processes of melting and crystallization, trace elements. We then consider the formation of igneous rocks at modern igneous settings -- spreading centers, convergent margins and ocean islands. We conclude with investigations of igneous phenomenon of the past, such as large igneous flood basalt provinces, anorthosites, komatites and the igneous history of the Moon.

Note: Given in alternate years. Expected to be given in 2007–08.

Earth and Planetary Sciences 150. Earth-like Planets and Planetary Materials

Catalog Number: 4726

Stein B. Jacobsen

Half course (spring term). M., at 1, W., 1–2:30, lab: F., 1–3. EXAM GROUP: 6, 7

Rocks and minerals – clues to understanding the origin and evolution of planetary surface environments, crusts and mantles. Principles of mineral structures, phase equilibria, and the origin of igneous, metamorphic, and sedimentary rocks. Primitive meteorites, martian meteorites, lunar samples and terrestrial rocks, including how timescales, origin and evolution of planets can be inferred from studies of rocks and minerals. Classification, identification, chemical and isotopic measurements of rocks and minerals in the laboratory.

Prerequisite: EPS 7 or Science A-24, a course in college-level chemistry or equivalent, or permission of instructor.

Earth and Planetary Sciences 161. Global Tectonics

Catalog Number: 1854

Richard J. O’Connell

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Overview of geophysical and geological observations and phenomena related to large-scale tectonic processes. Plate tectonics; marine magnetic and paleomagnetic measurements; heat flow and thermal evolution of oceanic plates; earthquakes and volcanoes at plate boundaries. The rigid and nonrigid behavior of lithospheric plates; rates of crustal deformation; earthquakes within continents; mountain building and the support and evolution of mountain belts.

Note: Given in alternate years.

Prerequisite: One basic earth science course (e.g., EPS 7 or Science A-24) or permission of instructor. Applied Mathematics or Mathematics 21a and b, Physics 11a or 15a recommended.

Earth and Planetary Sciences 166. Introduction to Seismology

Catalog Number: 1540

Miaki Ishii and Adam M. Dziewonski

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

An overview of the basic observations and methods of seismology. Earthquake detection, geometry, characteristics and relation to tectonics. Seismic stations and different types of data (body waves, surface waves, and normal modes). One-dimensional and three-dimensional structure of the Earth as inferred from seismology and implications for composition and dynamics. Seismic methods used in oil/gas exploration and environmental geophysics.

Note: Given in alternate years.



Prerequisite: Mathematics 21a, b or Applied Mathematics 21a, b (may be taken concurrently), or equivalent.

[Earth and Planetary Sciences 167. Applied and Environmental Geophysics]

Catalog Number: 5143

Adam M. Dziewonski

Half course (fall term). Hours to be arranged.

Geophysical methods used to search for oil and ores and to address environmental problems such as ground water level, radioactive waste storage, estimation of seismic risk. Theory, instrumentation and interpretation of seismic, gravity, electrical and electromagnetic methods.

Note: Expected to be given in 2007–08. Given in alternate years.

Prerequisite: Mathematics 21a, b or Applied Mathematics 21a, b. Some of the required mathematical tools are explained during the course.

[Earth and Planetary Sciences 171. Structural Geology and Tectonics]

Catalog Number: 0319

John H. Shaw

Half course (spring term). Hours to be arranged.

An introduction to the deformation of Earth materials, including the processes of mountain building and plate tectonics, faulting and earthquakes, folding, and ductile deformation. Structures are examined using geologic maps, balanced cross sections, seismic reflection data, satellite imagery, microscopic analysis, analog experiments, and numerical methods. Labs emphasize the applications of structural geology in the energy and environmental industries, and for assessing earthquake hazards.

Note: Expected to be given in 2007–08. Given in alternate years.

Prerequisite: EPS 7, or 8, or permission of the instructor.

[Earth and Planetary Sciences 181. Invertebrate Paleontology]

Catalog Number: 5162

Andrew H. Knoll

Half course (fall term). Hours to be arranged.

Principles of paleontology, a survey of the major invertebrate taxa, and an investigation of evolutionary history in the oceans. Emphasis on the nature and completeness of the fossil record, taphonomy, systematics, functional and theoretical morphology, along with discussions of biostratigraphy, paleoecology, and evolutionary theory.

Note: Expected to be given in 2007–08. Given in alternate years.

Prerequisite: Either Science B-16, Biological Sciences 51, or permission of instructor.

Cross-listed Courses

[Applied Mathematics 115. Mathematical Modeling](#)

[\[*Astronomy 135. Planetary System Astronomy\]](#)

[Engineering Sciences 120. Introduction to the Mechanics of Solids](#)

[Engineering Sciences 123. Introduction to Fluid Mechanics and Transport Processes](#)

[\[Engineering Sciences 162. Environmental Hydrodynamics and Hydrology\]](#)

[\[Engineering Sciences 165. Introduction to Environmental Engineering\]](#)



[Engineering Sciences 167. Environmental Assessment]

[Engineering Sciences 168. Aquatic Chemistry]

[OEB 107. Evolution of Plant Life in Geologic Time](#)

[OEB 118. Biological Oceanography](#)

Primarily for Graduates

[Earth and Planetary Sciences 200. Atmospheric Chemistry and Physics](#)

Catalog Number: 2675

Steven C. Wofsy and Daniel J. Jacob

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Atmospheric physics and chemistry: stratospheric and tropospheric transport, photochemistry, and aerosols; stratospheric ozone loss, tropospheric pollution. Fundamentals of radiative transfer, simple models of the greenhouse effect.

Note: Students specializing in this area are expected to take EPS 200 and 236. These courses may serve as an introduction to atmospheric and oceanic processes for other students with strong preparation.

Prerequisite: Applied Mathematics 105b (may be taken concurrently), Physics 11 a, b or 15, a course in college-level chemistry or equivalent, or more advanced courses; or permission of the instructors.

[Earth and Planetary Sciences 201. Physics of the Earth's Interior]

Catalog Number: 4004

Richard J. O'Connell

Half course (fall term). Hours to be arranged.

The properties and processes of the solid Earth: Continuum mechanics; structure and state of the Earth's interior; gravity and the geoid; viscous creep and mantle flow; rotational dynamics; heat transport and mantle convection.

Note: Expected to be given in 2007–08.

Prerequisite: Applied Mathematics 105a and b, Physics 15 or equivalent. Preparation should be discussed with the instructor.

[Earth and Planetary Sciences 203. Earthquakes and Faulting]

Catalog Number: 4472

Brendan J. Meade and John H. Shaw

Half course (spring term). Hours to be arranged.

Earthquake phenomenology in the context of plate tectonics. Continuum mechanics and elastic deformation. Earthquake cycle models and constraints from tectonic geodesy. Earthquake geology and paleoseismology. Deformation rates and fault system structure. Quantitative seismic hazard analysis.

Note: Expected to be given in 2007–08. Given in alternate years.

Prerequisite: Applied Mathematics 21a and 21b.

[Earth and Planetary Sciences 204 \(formerly Earth and Planetary Sciences 267\). Global Seismology](#)

Catalog Number: 4091



Miaki Ishii and Adam M. Dziewonski

Half course (fall term). Hours to be arranged.

Fundamental concepts used in seismology as a tool in studying the Earth's deep interior. Topics include stress/strain/elasticity theory, the seismic wave equation, ray theory, surface waves and normal modes, source theory, and inverse methods.

Note: Given in alternate years.

Prerequisite: Applied Math 105b (may be taken concurrently), or permission of instructor.

[Earth and Planetary Sciences 205. Data Analysis and Reduction in Earth Sciences]

Catalog Number: 4426

Adam M. Dziewonski

Half course (fall term). Hours to be arranged.

Fundamentals of statistical data analysis and error estimation; model building using linear inversion; model resolution; discrete sampling of time or space series; Fourier series and transforms; digital and matched filter design; wavelet analysis.

Note: Expected to be given in 2007–08. Given in alternate years.

Prerequisite: Applied Mathematics 105a; may be taken concurrently.

Earth and Planetary Sciences 206. Space Geodesy for Earth Scientists

Catalog Number: 8218

James L. Davis

Half course (spring term). Hours to be arranged.

Space geodesy for Earth systems. Measurement of geophysical signals from space geodetic observations. Crustal deformation from tectonic, loading, and other origins; gravity and geopotential; atmospheric studies, including GPS-occultation and tomography; applications to oceans and glaciers.

Note: Given in alternate years.

[*Earth and Planetary Sciences 207r. Geochemical Oceanography]

Catalog Number: 1602

Daniel P. Schrag

Half course (fall term). Hours to be arranged.

Topics in low-temperature geochemistry, oceanography, and climatology will be discussed. Students will read and present journal articles on relevant topics, and will rotate responsibility for leading discussions.

Note: Expected to be given in 2007–08. Given in alternate years.

[Earth and Planetary Sciences 208. Physics of Climate] - (New Course)

Catalog Number: 6561

Zhiming Kuang

Half course (fall term). Hours to be arranged.

Overview of the basic features of the climate system (global energy balance, atmospheric general circulation, ocean circulation, and climate variability) and the underlying physical processes.

Note: Expected to be given in 2007–08.

Prerequisite: Applied Mathematics 105b (may be taken concurrently), Physics 11a and b or 15, a



course in college-level chemistry or equivalent, or more advanced courses; or permission of the instructor.

***Earth and Planetary Sciences 210. Introduction to Isotope and Trace Element Geochemistry - (New Course)**

Catalog Number: 9146

Sujoy Mukhopadhyay and staff

Half course (fall term). Hours to be arranged.

The course emphasizes the principles of isotope and trace element geochemistry and their application to relevant problems in Earth and Planetary Sciences. Problems to be addressed include planet formation and differentiation, ocean chemistry, and climate reconstruction.

***Earth and Planetary Sciences 231. Climate Dynamics**

Catalog Number: 6492

Eli Tziperman

Half course (spring term). W., 4–5:30, M., 5–6:30. EXAM GROUP: 9

Climate and climate variability phenomena and mechanisms. Basics, El Nino and thermohaline circulation, millennial and glacial-interglacial variability, snowball earth and more; hierarchical modeling approach.

Note: Given in alternate years.

Prerequisite: Background in geophysical fluid dynamics or permission of instructor.

Earth and Planetary Sciences 232. Dynamic Meteorology

Catalog Number: 5344

Brian F. Farrell

Half course (spring term). Tu., Th., 1–2:30.

The atmosphere understood as a fluid dynamical system. Observations of atmospheric motions related to weather and climate. Application of the equations of atmospheric dynamics to explaining phenomena such as jet streams, cyclones and fronts.

Prerequisite: Applied Mathematics 105b or permission of instructor.

Earth and Planetary Sciences 236. Environmental Modeling and Analysis

Catalog Number: 7250

Steven C. Wofsy and Daniel J. Jacob

Half course (spring term). Hours to be arranged; 1 hour weekly lab.

Introduction to atmospheric chemistry and biogeochemistry. Atmospheric transport processes, Eulerian and Lagrangian model frameworks, forward and inverse methods. Analysis of environmental data: visualization, time series analysis, Monte Carlo methods, statistical assessment. Students prepare projects and presentations.

Note: Students specializing in this area are expected to take EPS 200 and 236. These courses may serve as an introduction to atmospheric and oceanic processes for other students with strong preparation.

Prerequisite: Applied Mathematics 105b (may be taken concurrently), Physics 11a, b or 15, a course in college-level chemistry or equivalent, or more advanced courses; or permission of the instructors.



[Earth and Planetary Sciences 237. Advanced Biogeochemistry]

Catalog Number: 9320

Ann Pearson

Half course (spring term). Hours to be arranged.

Covers topics from EPS 137 at in-depth, accelerated pace. Course emphasizes reactions at the molecular and isotopic level using biomarkers to understand natural processes. Considers complex microbial assemblages with attention to current and ancient records of earth systems.

Note: Given in alternate years. Expected to be given in 2007–08.

Prerequisite: EPS 137 or equivalent, or permission of instructor.

**[Earth and Planetary Sciences 238 (formerly Earth and Planetary Sciences 206).
Spectroscopy and Radiative Transfer of Atmospheres]**

Catalog Number: 1891

Half course (spring term). Hours to be arranged.

Absorption, emission, and scattering, emphasizing Earth's atmosphere. Atmospheric spectroscopic properties for various measurement geometries. Quantitative spectroscopy and atmospheric structure are reviewed. Radiative transfer modeling and simulation and interpretation of atmospheric spectra from microwave through ultraviolet.

Note: Expected to be given in 2007–08. Given in alternate years.

Prerequisite: Ability to program in a high-level computer language (may be learned in parallel with the permission of the instructor).

[Earth and Planetary Sciences 240. Geochemical Transport and Kinetics]

Catalog Number: 0187

Stein B. Jacobsen

Half course (spring term). Hours to be arranged.

Irreversible thermodynamics, heat flow and diffusion. K-U-Th geochemistry. Mass transfer between geochemical reservoirs; modeling of mantle melting, mantle and crustal evolution, geochemical cycles. Determination of temperature-time-pressure histories of rocks from radiogenic isotopes and phase equilibria.

Note: Expected to be given in 2007–08. Applied Mathematics 105a, b are recommended. Given in alternate years.

Prerequisite: Mathematics 21a, b or Applied Mathematics 21a, b.

[Earth and Planetary Sciences 241. Isotope Geochemistry and Processes of Planetary Evolution](#)

Catalog Number: 1680

Stein B. Jacobsen

Half course (fall term). Hours to be arranged.

The composition of the evolution of the Solar Nebula. Application of radiogenic and stable isotopes to study the processes of formation and evolution of planetary crusts, mantles, and cores.

Note: Given in alternate years.



Earth and Planetary Sciences 242. Low Temperature Geochemistry (formerly Biogeochemistry of Light Stable Isotopes)

Catalog Number: 8808 Enrollment: Limited to 10.

Daniel P. Schrag

Half course (spring term). Hours to be arranged.

Introduction to the theory and methodology of stable isotope biogeochemistry. Topics include isotope ratio mass spectrometry, biological fractionation of carbon and nitrogen isotopes, distribution of isotopes in terrestrial and marine ecosystems, and applications to climate reconstruction.

Note: Given in alternate years.

[Earth and Planetary Sciences 243. Geochemical and Cosmochemical Thermodynamics]

Catalog Number: 2002

Stein B. Jacobsen

Half course (fall term). Hours to be arranged.

The laws of thermodynamics. Equilibrium and spontaneous transformations in systems of variable chemical composition. Components, phase rule and petrogenetic grids. Calculation of phase diagrams. Applications to cosmochemistry, igneous and metamorphic petrology, and environmental geochemistry.

Note: Expected to be given in 2007–08. Given in alternate years.

Prerequisite: A course in college-level chemistry or equivalent; Mathematics 21a or Applied Mathematics 21a (may be taken concurrently).

[*Earth and Planetary Sciences 244. Noble Gas Geochemistry]

Catalog Number: 1573

Sujoy Mukhopadhyay

Half course (fall term). Hours to be arranged.

Principles of noble gas geochemistry and geochronology and its application to specific problems in Earth and planetary sciences. Topics include surface exposure dating, (U-Th)/He and Ar-Ar thermochronometry, paleoclimatology, mantle evolution, and models of planetary atmosphere formation.

Note: Expected to be given in 2007–08. Given in alternate years.

Prerequisite: Intended for graduates and advanced undergraduate students involved in geochemistry research. Permission of instructor.

Earth and Planetary Sciences 250. Topics in Planetary Sciences

Catalog Number: 1225

Sarah Stewart-Mukhopadhyay

Half course (spring term). Hours to be arranged.

Research seminar on current problems in planetary sciences. Topics: impact processes, planetary surface processes, planet formation, and subjects related to current spacecraft missions.

Note: Given in alternate years or upon announcement.

Earth and Planetary Sciences 255r. Topics in Tropical Dynamics - (New Course)

Catalog Number: 8807

Zhiming Kuang



Half course (fall term). Hours to be arranged.

Research seminar on current problems in tropical dynamics. Students will read and present journal articles on relevant topics, and will rotate responsibility for leading discussions.

Note: Given in alternate years.

[Earth and Planetary Sciences 260. Topics in Geophysics]

Catalog Number: 2908

Richard J. O'Connell and Jeremy Bloxham

Half course (spring term). Hours to be arranged.

Research seminar on current important problems on the state and processes of the solid Earth. Topics may include mantle structure and geochemistry, the core-mantle boundary, the continental lithosphere.

Note: Expected to be given in 2007–08. This course is coordinated with a research course at MIT.

[Earth and Planetary Sciences 263. Earthquake Source Processes](#)

Catalog Number: 0542

James R. Rice and Renata Dmowska

Half course (fall term). M., W., 9–10:30. EXAM GROUP: 2, 3

Science of earthquakes including physics of source processes. Elastodynamics; seismic radiation; quantification of earthquakes; slip inversions. Fault strength and rheology; friction and fracture theory. Seismotectonics; stressing and seismicity in the earthquake cycle; earthquake interactions.

Note: Given in alternate years.

Prerequisite: EPS 166 or equivalent and further study at the 200 level in seismology or solid mechanics.

[Earth and Planetary Sciences 264r. Topics in Planetary Magnetism]

Catalog Number: 1429

Jeremy Bloxham

Half course (fall term). Hours to be arranged.

Theoretical and observational aspects of planetary magnetism. Topics: observations of Earth's and other planets magnetic fields; core structure, dynamics and energetics; rotation and convection; magnetohydrodynamics and magnetic field generation; kinematic and dynamic dynamo theory.

Note: Expected to be given in 2007–08.

Prerequisite: Applied Mathematics 105a,b, Physics 153 or equivalent, or permission of instructor.

[Earth and Planetary Sciences 265r. Topics in Geodynamics]

Catalog Number: 0816

Richard J. O'Connell

Half course (spring term). Hours to be arranged.

Topics in the dynamics of processes and properties in the Earth's interior, including: thermal convection and flow in the mantle, rheology of the mantle, plate motions, plate deformation,



physical properties of rocks and minerals.

Note: Expected to be given in 2007–08.

***Earth and Planetary Sciences 269r. Crustal Dynamics - (New Course)**

Catalog Number: 8157

Brendan J. Meade

Half course (spring term). Hours to be arranged.

Research seminar on current problems in crustal dynamics. Students will read and present journal articles on relevant topics, and will rotate responsibility for leading discussions.

Note: Given in alternate years.

Earth and Planetary Sciences 270r. Structural Interpretation of Seismic Data

Catalog Number: 8230

John H. Shaw

Half course (fall term). Hours to be arranged.

Methods of interpreting complex geologic structures imaged in 2 and 3-dimensional seismic reflection data. Methods of integrated geologic and remote sensing data will be described.

Students will complete independent projects analyzing seismic data on workstations.

Note: Given in alternate years.

Prerequisite: EPS 171 or equivalent.

Earth and Planetary Sciences 271r. Global Glaciations in Earth History

Catalog Number: 2515

Paul F. Hoffman

Half course (fall term). Hours to be arranged.

Critically examines the evidence that glaciers covered the globe for long periods in the distant past. Climate models of global glaciation and deglaciation. Causative theories, geological tests, and global glaciations in the history of life.

Note: Final offering.

Prerequisite: EPS 5, 7, and 8 or equivalent.

[Earth and Planetary Sciences 272r. Topics in Structural Geology]

Catalog Number: 1546

John H. Shaw

Half course (fall term). Hours to be arranged.

Seminar course investigating recent advances in structural geology and exploration geophysics with applications in earthquake science and the petroleum industry. Specific topics vary from year to year.

Note: Expected to be given in 2007–08. Given in alternate years.

Prerequisite: EPS 171 or equivalent. Intended for graduate and advanced undergraduate students involved in structural geology research.

[Earth and Planetary Sciences 281r. Great Papers in Earth and Planetary Sciences]

Catalog Number: 2474

Paul F. Hoffman

Half course (spring term). Hours to be arranged.



Students will read and discuss paradigm-altering papers from the full range of the Earth and planetary sciences. The aim is to expose conceptual foundations and historical developments, and to appreciate what makes great papers great.

Note: Expected to be given in 2007–08.

[Earth and Planetary Sciences 285r. Advanced Paleontology](#)

Catalog Number: 2132

Charles R. Marshall

Half course (fall term). Hours to be arranged.

Introduction to the analysis of key problems in paleobiology. Topics include: determining times of origin and extinction; dissecting biodiversity dynamics; assessing the absolute completeness of the fossil record; stratigraphy and phylogeny reconstruction, etc.

Note: Given in alternate years.

Cross-listed courses

[Astronomy 225. Formation of Stars and Planets]

[Engineering Sciences 240. Solid Mechanics](#)

[Engineering Sciences 241. Advanced Elasticity](#)

[Engineering Sciences 265. Advanced Environmental Geomechanics]

[OEB 208r. Issues in Historical Paleobiology: Seminar]

Graduate Courses of Reading and Research

***Earth and Planetary Sciences 320. Topics in Planetary Sciences**

Catalog Number: 6050

Sarah Stewart-Mukhopadhyay 4637

***Earth and Planetary Sciences 330. Climate Atmospheric Chemistry and Free Radical Kinetics**

Catalog Number: 3810

James G. Anderson 6057

***Earth and Planetary Sciences 331. Atmospheric Chemistry**

Catalog Number: 4038

Daniel J. Jacob 1781

***Earth and Planetary Sciences 332. Dynamic Meteorology**

Catalog Number: 2802

Brian F. Farrell 7628

***Earth and Planetary Sciences 334. Atmospheric Physics and Chemistry**

Catalog Number: 4886

Michael B. McElroy 2462



***Earth and Planetary Sciences 335. Climate Dynamics and Physical Oceanography**

Catalog Number: 3095

Eli Tziperman 4748 (on leave fall term)

***Earth and Planetary Sciences 336. Geophysical Fluid Dynamics**

Catalog Number: 8851

Eli Tziperman 4748 (on leave fall term)

***Earth and Planetary Sciences 337. Biological Oceanography**

Catalog Number: 5704

James J. McCarthy 4343

***Earth and Planetary Sciences 338. Atmospheric Chemistry**

Catalog Number: 7596

Steven C. Wofsy 4396

***Earth and Planetary Sciences 339. Biogeochemistry**

Catalog Number: 9843

Ann Pearson 4224

***Earth and Planetary Sciences 340. Topics in Isotope Geochemistry: Research Seminar**

Catalog Number: 2881

Stein B. Jacobsen 7212

***Earth and Planetary Sciences 341. Isotope Geochemistry**

Catalog Number: 7103

Stein B. Jacobsen 7212

***Earth and Planetary Sciences 342. Topics in Atmospheric and Climate Dynamics**

Catalog Number: 1732

Zhiming Kuang 5285

**Earth and Planetary Sciences 343. Topics in Quantitative Analysis of the Climate Record -
(New Course)**

Catalog Number: 2979

Peter John Huybers 5746

***Earth and Planetary Sciences 344. Topics in Stable Isotope Geochemistry and
Geochemical Oceanography**

Catalog Number: 6291

Daniel P. Schrag 3054

***Earth and Planetary Sciences 345. Solid Earth Geochemistry**

Catalog Number: 7979

Charles H. Langmuir 4293



***Earth and Planetary Sciences 346. Topics in Noble Gas Geochemistry**

Catalog Number: 2928

Sujoy Mukhopadhyay 4621

***Earth and Planetary Sciences 347. Topics in Environmental Policy**

Catalog Number: 4360

John P. Holdren (Kennedy School, FAS) 2673

***Earth and Planetary Sciences 362. Dynamo Theory: Research Seminar**

Catalog Number: 1840

Jeremy Bloxham 2047

***Earth and Planetary Sciences 363. Seismology and Tectonophysics: Geomechanics, Earthquake Source Physics**

Catalog Number: 8664

James R. Rice 7270 (on leave spring term)

***Earth and Planetary Sciences 364. Geophysics**

Catalog Number: 1438

Jeremy Bloxham 2047

***Earth and Planetary Sciences 365. Geophysics**

Catalog Number: 5632

Richard J. O'Connell 3642 (on leave spring term)

***Earth and Planetary Sciences 367. Seismology**

Catalog Number: 4447

Adam M. Dziewonski 3641 (on leave spring term)

***Earth and Planetary Sciences 368. Seismology**

Catalog Number: 4932

Miaki Ishii 5493

***Earth and Planetary Sciences 369. Topics in Active Tectonics**

Catalog Number: 5904

Brendan J. Meade 5340

***Earth and Planetary Sciences 370. Structural Analysis**

Catalog Number: 9046

John H. Shaw 3699

***Earth and Planetary Sciences 380. Precambrian Geology**

Catalog Number: 1161

Paul F. Hoffman 1507 (on leave spring term)



***Earth and Planetary Sciences 385. Analytical Paleontology**

Catalog Number: 8129

Charles R. Marshall 2823

***Earth and Planetary Sciences 387. Paleobotany**

Catalog Number: 6983

Andrew H. Knoll 7425

East Asian Languages and Civilizations

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of East Asian Languages and Civilizations

Michael J. Puett, Professor of Chinese History (*Chair*)

Ryuichi Abe, Reischauer Institute Professor of Japanese Religions

Mikael Adolphson, Associate Professor of Japanese History

Sarah M. Allen, Preceptor in Literary Chinese (*on leave fall term*)

Peter K. Bol, Charles H. Carswell Professor of East Asian Languages and Civilizations (*on leave fall term*)

Harold Bolitho, Professor of Japanese History (*on leave spring term*)

Eileen Cheng-yin Chow, Associate Professor of Chinese Literary and Cultural Studies (*on leave 2007-2008*)

Edwin A. Cranston, Professor of Japanese Literature

Carter J. Eckert, Yoon Se Young Professor of Korean History

Mark C. Elliott, Mark Schwartz Professor of Chinese and Inner Asian History (*Director of Graduate Studies*)

Shengli Feng, Professor of the Practice of Chinese Language (*Director of the Chinese Language Program*) (*on leave spring term*)

Yu Feng, Preceptor in Chinese, Contin Ed/Spec Prog Instructor

Binnan Gao, Preceptor in Chinese

Robert M. Gimello, Visiting Professor of East Asian Studies and Religious Studies (*University of Arizona*)

Andrew Gordon, Lee and Juliet Folger Fund Professor of History

Helen Hardacre, Reischauer Institute Professor of Japanese Religions and Society

Hui-Yen Huang, Preceptor in Chinese

Wilt L. Idema, Professor of Chinese Literature (*Head Tutor*)

Wesley M. Jacobsen, Professor of the Practice of Japanese Language (*Director of the Japanese Language Program*)

Yuko Kageyama-Hunt, Preceptor in Japanese



Adam L. Kern, Associate Professor of Japanese Literature
 Mi-Hyun Kim, Preceptor in Korean
 Sun Joo Kim, Associate Professor of Korean History (*on leave 2006-07*)
 Philip A. Kuhn, Francis Lee Higginson Professor of History and of East Asian Languages and Civilizations, Emeritus (*on leave fall term*)
 Joanna C. Kuriyama, Preceptor in East Asian Languages and Civilizations
 Shigehisa Kuriyama, Reischauer Institute Professor of Cultural History (*on leave spring term*)
 Kening Li, Preceptor in Chinese (*on leave spring term*)
 Wai-yee Li, Professor of Chinese Literature (*on leave 2006-07*)
 Haohsiang Liao, Preceptor in Chinese
 Yang Lu, Lecturer on East Asian Languages and Civilizations
 Satomi Matsumura, Senior Preceptor in Japanese
 David McCann, Korea Foundation Professor of Korean Literature
 Melissa M. McCormick, John L. Loeb Associate Professor of the Humanities
 Itsuko Nakamura, Preceptor in Japanese
 Binh Ngo, Senior Preceptor in Vietnamese (*Director of the Vietnamese Language Program*)
 Sang-suk Oh, Senior Preceptor in Korean (*Director of the Korean Language Program*)
 Stephen Owen, James Bryant Conant University Professor
 Rebecca Suter, Lecturer on East Asian Languages and Civilizations, Teaching Assistant in the Core Curriculum
 Michael A. Szonyi, Associate Professor of East Asian Languages and Civilizations (*on leave 2006-07*)
 Xiaofei Tian, Professor of East Asian Languages and Civilizations
 Wei-Ming Tu, Harvard-Yenching Professor of Chinese History and Philosophy and of Confucian Studies
 Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies
 David Der-Wei Wang, Edward C. Henderson Professor of Chinese Literature (*on leave fall term*)
 Xuedong Wang, Preceptor in Chinese
 Emi Yamanaka, Preceptor in Japanese

Other Faculty Offering Instruction in East Asian Languages and Civilizations

Janet Gyatso, Hershey Professor of Buddhist Studies (*Divinity School*) (*on leave 2007-08*)

Committee for the Social Science Program in East Asian Studies of the Department of East Asian Languages and Civilizations

Andrew Gordon, Lee and Juliet Folger Fund Professor of History (*Chair*)
 Theodore C. Bestor, Professor of Anthropology (*on leave 2006-07*)
 Carter J. Eckert, Yoon Se Young Professor of Korean History
 Alastair Iain Johnston, Governor James Albert Noe Sr. and Linda and Christel Noe Laine Kelley Professor of China in World Affairs (*on leave spring term*)
 William C. Kirby, Edith and Benjamin Geisinger Professor of History
 Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science (*on leave spring term*)
 Dwight H. Perkins, Harold Hitchings Burbank Research Professor of Political Economy,



Emeritus

Elizabeth J. Perry, Henry Rosovsky Professor of Government
Susan J. Pharr, Edwin O. Reischauer Professor of Japanese Politics
James L. Watson, Harvard College Professor and John King and Wilma Cannon Fairbank
Professor of Chinese Society (*on leave spring term*)

Courses listed under the Department of East Asian Languages and Civilizations begin with department tutorials and then are grouped by area: China, Japan, Korea, Manchu, Mongolia, Tibet, and Vietnam. Each area is divided into language, history, and literature courses, then “Graduate Courses of Reading and Research,” and concludes with cross-listings from other departments. Please note that courses under each heading are categorized as either “For Undergraduates and Graduates” or “Primarily for Graduates.”

The concentration draws upon faculty working on East Asian topics from the Department of East Asian Languages and Civilizations and from other departments. It offers both a humanities track, in which the history, literature, philosophy, and religion of premodern and modern times are studied, and a social science track, stressing approaches to modern East Asia drawn from the social science disciplines.

Graduate students in the Faculty of Arts and Sciences may enroll in certain foreign language courses for the grade of Satisfactory/Unsatisfactory. Students should consult with course heads to determine if a course is offered on that basis.

East Asian Studies

Primarily for Undergraduates

[*East Asian Studies 91r. Supervised Reading and Research](#)

Catalog Number: 0961

Wilt L. Idema and members of the Department

Half course (fall term; repeated spring term). Spring: Tu., 2–3:30.

Note: Open to students who have given evidence of ability to do independent reading and research. May be taken on an individual basis or by small groups of students interested in working on the same topic. Permission of the East Asian Studies Head Tutor required.

[*East Asian Studies 97a \(formerly *East Asian Studies 97r\). Introduction to East Asian Civilizations](#)

Catalog Number: 0306

Mikael Adolphson

Half course (fall term). Tu., 1–3.

An introduction to the philosophies, religions, literature, history and the study of primarily premodern China, Korea, Japan, and Vietnam.

Note: Required of sophomore concentrators. Open to freshmen.

[*East Asian Studies 97b. East Asian Keywords - \(New Course\)](#)

Catalog Number: 2722



Eileen Cheng-yin Chow

Half course (spring term). Hours to be arranged. EXAM GROUP: 16, 17

Studying East Asia in the modern period makes sense less as a history of shared canons (or shared ‘Asian values’) and more in terms of the region’s shared historical, political, and cultural concerns. The course is organized in thematic units (or ‘keywords’) that cross national and disciplinary boundaries to introduce the various means by which one may approach the study of modern East Asia. Topics include the influx of new ideologies, processes of ‘becoming modern,’ transformation of societal and gender roles, and the positioning of East Asian area studies in the academy and the larger world.

Note: Required of sophomore concentrators. Open to freshmen.

***East Asian Studies 98r. Tutorial — Junior Year**

Catalog Number: 0342

Wilt L. Idema and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of junior concentrators. Divided into sections specializing in China, Japan, Korea, and Vietnam.

***East Asian Studies 99. Tutorial — Senior Year**

Catalog Number: 0384

Wilt L. Idema and members of the Department

Full course. Hours to be arranged.

Thesis guidance under faculty direction.

For Undergraduates and Graduates

East Asian Studies 140. Major Religious Texts of East Asia

Catalog Number: 0856

Ryuichi Abe

Half course (fall term). Th., 2–4:30. EXAM GROUP: 16, 17, 18

This course aims at enabling students to read and analyze in depth major religious texts of East Asia, representing diverse traditions and genres. The course encourages students to take up their reading of texts not only as ways to acquire knowledge on Asian religious traditions, but as practice, labor, and play in which their ordinary way of understanding/experiencing the world and themselves will be challenged, reaffirmed, and renewed.

East Asian Studies 160. Writing Asian Poetry

Catalog Number: 0327

David McCann

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Readings in selected Chinese, Japanese, and Korean verse forms, and composition or imitation in English. Study of Li Po and Tu Fu (Chinese quatrain), Basho (haiku and haibun mixed prose and poetry), Yun Sôn-do and other Korean poets (shijo), and composition/imitation. Final project, an extended suite of poems or mixed prose and poetry.

Note: No Asian language knowledge is required; all writing will be in English.



East Asian Studies 170. Medicine and the Body in East Asia and in Europe

Catalog Number: 5700

Shigehisa Kuriyama

Half course (fall term). M., W., at 11, and one additional hour to be arranged. EXAM GROUP: 4

Comparative historical exploration of the striking differences and unexpected similarities between traditional conceptions of the body in East Asian and European medicine; the evolution of beliefs within medical traditions; the relationship between traditional medicine and contemporary experience.

[East Asian Studies 180. Asia Wave] - (New Course)

Catalog Number: 9177

David McCann

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Cinema, music, television, dance, food, clothing, currency, and language: the present-day "waves" that seem one after another to sweep across East Asia's borders and boundaries also have historical counterparts. The course will examine the seismic events and media, practices, and circulation systems that constitute the contemporary Asian culture scene, and then how these are linked to or disassociated from the past.

Note: Expected to be given in 2007–08.

Primarily for Graduates

East Asian Studies 211. Historical Theory and Methods

Catalog Number: 3088

Michael J. Puett and Shigehisa Kuriyama

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Theories and methods for research in East Asian history. Covers approaches to social, cultural, intellectual, and political history, analyzing significant works in each field and applications to Chinese, Japanese, and Korean materials.

East Asian Studies 220r. Medieval Japanese Picture Scrolls - (New Course)

Catalog Number: 1685

Melissa M. McCormick

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Provides training in the reading of scroll texts (kotobagaki), the analysis of paintings, and the examination of the production contexts of important emaki from the 12th to the 16th century.

[East Asian Studies 230. The History of East Asian Medicine: Seminar]

Catalog Number: 0544

Shigehisa Kuriyama

Half course (spring term). Hours to be arranged.

Introduction to research on East Asian medicine: historiography, methods, new horizons.

Note: Expected to be given in 2007–08.

East Asian Buddhist Studies



For Undergraduates and Graduates

East Asian Buddhist Studies 114. The Mahâyâna in East Asia: Bodhisattvas and Their Cults in Medieval and Early Modern East Asian Buddhism

Catalog Number: 9159

Robert M. Gimello (University of Arizona)

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Explores the character of East Asian Mahâyâna Buddhism as revealed in the systematic exposition of its doctrines, and in its cultic practices, beliefs, and iconography. Taking the bodhisattva as the fullest embodiment of Mahâyâna's ideals and the chief focus of its piety, we'll trace the transformations wrought in the cults and images of the great bodhisattvas—particularly Manjusri—from the 2nd through 12th century during Buddhism's encounter principally with Chinese but also with Korean and Japanese civilization.

Note: Offered jointly with the Divinity School as 3560.

East Asian Buddhist Studies 115. Buddhist Meditation Traditions

Catalog Number: 6958

Robert M. Gimello (University of Arizona)

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Focusing particularly on Buddhism in East Asia, and relying chiefly on English translations of primary canonical and paracanonical sources, we examine a variety of specific meditation curricula while also posing theoretical questions about the relationship between meditation and Buddhist doctrine, the value of meditation in the moral lives of Buddhist individuals and communities, the influence of meditation upon Buddhist art, the connection between meditation and Buddhist ritual, etc.

Note: Offered jointly with the Divinity School as 3561.

[East Asian Buddhist Studies 116a. Buddhism in China: I-VII Century]

Catalog Number: 9937

Robert M. Gimello (University of Arizona)

Half course (fall term). Hours to be arranged.

A survey of the history of Buddhist thought and practice in East Asia from its advent in Han China to the emergence of distinctly East Asian traditions of Buddhist thought and practice in the early Tang, with attention also to the early transmission of Buddhism to Korea, Japan, and Vietnam.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3521.

[East Asian Buddhist Studies 116b. Buddhism in China: VIII-XVI Century]

Catalog Number: 9214

Robert M. Gimello (University of Arizona)

Half course (spring term). Hours to be arranged.

A survey of the history of Buddhist thought and practice in mid-Tang through Ming China, with attention also to developments during the same period in Korea, Vietnam, and Japan.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3526.



East Asian Buddhist Studies 120. Buddhist Apologetics in East Asia

Catalog Number: 0692

Robert M. Gimello (University of Arizona)

Half course (spring term). W., 2–5. EXAM GROUP: 7, 8, 9

A treatment of the process by which Buddhism in China, Korea, and Japan came to define itself either over and against other religious and intellectual traditions like Confucianism, Daoism, and Shintō or in ecumenical relation to them. Historical examples of Buddhism's response to other traditions are considered in light of modern theories of inter-religious dialogue.

Note: Offered jointly with the Divinity School as 3524.

Primarily for Graduates

East Asian Buddhist Studies 210r. Topics in East Asian Buddhism

Catalog Number: 7624

Robert M. Gimello (University of Arizona)

Half course (fall term). W., 2–5. EXAM GROUP: 7, 8, 9

Examination of various themes and issues in the history of medieval and modern Chinese, Korean, and/or Japanese Buddhism.

Prerequisite: Reading knowledge of classical Chinese.

[East Asian Buddhist Studies 220. Pilgrimage and Sacred Sites in China]

Catalog Number: 8720

Robert M. Gimello (University of Arizona)

Half course (fall term). Hours to be arranged.

A study of pilgrimage as a Chinese religious practice, and of pilgrimage destinations as sacred sites. Special emphasis on Buddhist sacred mountains, with some comparative consideration of pilgrimage and sacred sites in Daoism and Confucianism.

Note: Expected to be given in 2008–09.

East Asian Buddhist Studies 240r (formerly East Asian Buddhist Studies 240). Japanese Buddhist Doctrine and Monastic Culture

Catalog Number: 3768

Ryuichi Abe

Half course (fall term). W., 10:30–12:30. EXAM GROUP: 3, 4, 5

A graduate seminar aimed at improving students' ability to read and analyze scriptural sources in the context of textual, artistic, and other cultural productions centered around large monasteries in premodern Japan.

Prerequisite: Classical Japanese and *Kambun* are required.

East Asian Buddhist Studies 245. Ritual and Text in Japanese Buddhist Literature

Catalog Number: 7113

Ryuichi Abe

Half course (spring term). Hours to be arranged.

Examines the way in which rituals are approached, described, and interpreted in primary Japanese Buddhist texts. Students will acquire skills allowing them to move freely in their



reading of texts from diverse literary genres.
Prerequisite: Classical Japanese and *Kambun*.

Graduate Courses of Reading and Research

***East Asian Buddhist Studies 300. Reading and Research**

Catalog Number: 9811

Robert M. Gimello (University of Arizona) 9240, Ryuichi Abe 4974, and Janet Gyatso (Divinity School) 4243 (on leave 2007-08)

Cross-listed courses

[***History of Art and Architecture 288m. Transmissions: Art and Zen Buddhism**]

[**Religion 1700. Introduction to Buddhism, in Theory and Practice**]

[**Religion 1708. Issues in Buddhist Philosophy: Seminar**]

[**Religion 1710. Buddhist Ethics**]

[**Religion 1730. Buddhist Women and Representations of the Female**](#)

[**Religion 2710r. Buddhist Studies: Seminar**]

***South Asian Buddhist Studies 303. Reading and Research**

China: Language Courses

For Undergraduates and Graduates

Chinese Aab. Intensive Elementary Modern Chinese

Catalog Number: 0625

Binnan Gao

Full course (fall term). M. through F., 1–3. EXAM GROUP: 6, 7, 15, 16

Intensive introduction to modern standard (Mandarin) Chinese pronunciation, grammar, conversation, reading, and writing.

Note: Satisfies prerequisite for second-year Chinese.

Chinese Ba. Elementary Modern Chinese

Catalog Number: 4375

Shengli Feng and Kening Li

Half course (fall term). Sections Tu., Th., 9, 10, 12, or 2, and three additional hours to be arranged. EXAM GROUP: 11

Nonintensive introduction to modern Chinese pronunciation, grammar, conversation, reading, and writing.

Note: No auditors. May not be taken Pass/Fail.

Chinese Bb. Elementary Modern Chinese

Catalog Number: 8714

Binnan Gao

Half course (spring term). Sections Tu., Th., 9, 10, 12, or 2; and three additional hours to be arranged. EXAM GROUP: 11



Continuation of Chinese Ba.

Note: No auditors. May not be taken Pass/Fail.

Prerequisite: Chinese Ba or equivalent.

Chinese Bx. Elementary Chinese for Advanced Beginners

Catalog Number: 7066

Hui-Yen Huang

Half course (fall term). M., W., F., at 10 or 2, and two additional hours to be arranged. EXAM GROUP: 3, 7

For students with significant listening and speaking background. Introductory Modern Chinese language course, with emphasis on reading and writing. Covers in one term the equivalent of Chinese Ba and Bb.

Note: No auditors. May not be taken Pass/Fail. Students must pass a test in listening and speaking to take the course.

[Chinese Ca (formerly Chinese 108a). Cantonese]

Catalog Number: 0223

Shengli Feng

Half course (fall term). Hours to be arranged.

Nonintensive introduction to Cantonese dialect. Emphasizes basic pronunciation and colloquial usage.

Note: Expected to be given in 2007–08. Primarily intended for non-native speakers who will conduct research in a Cantonese-speaking locale.

Prerequisite: Two years formal study of Mandarin.

[Chinese Cb (formerly Chinese 108b). Cantonese]

Catalog Number: 0831

Shengli Feng

Half course (spring term). Hours to be arranged.

Continuation of Chinese Ca.

Note: Expected to be given in 2007–08. Primarily intended for non-native speakers who will conduct research in a Cantonese-speaking locale.

Prerequisite: Two years formal study of Mandarin and Chinese Ca or equivalent.

[Chinese Ma (formerly Chinese 115a). Beginning Taiwanese Conversation (Southern Min)]

Catalog Number: 2299

Half course (fall term). Hours to be arranged.

Non-intensive introduction to Taiwanese (Minnan dialect). Emphasizes basic pronunciation and colloquial usage.

Note: Expected to be given in 2007–08. No auditors. Intended for non-native speakers.

[Chinese Mb (formerly Chinese 115b). Beginning Taiwanese Conversation (Southern Min)]

Catalog Number: 5696

Half course (spring term). Hours to be arranged.



Continuation of Chinese Ma.

Note: Expected to be given in 2007–08. No auditors. Intended for non-native speakers.

Prerequisite: Chinese Ma or permission of the instructor.

[Chinese 100. Mandarin Pronunciation and Grammar for Speakers of Cantonese Dialects]

Catalog Number: 7291

Shengli Feng

Half course (spring term). Hours to be arranged.

An introduction to modern Chinese pronunciation. Offering a systematic contrast and comparison between the sound and syntactic systems of the two dialects, for students who are native speakers of Cantonese and have a strong background in reading. Those who wish to continue will be prepared for Chinese 113b, Advanced Conversational Chinese.

Note: Expected to be given in 2007–08.

Chinese 120a (formerly Chinese 101a). Intermediate Modern Chinese

Catalog Number: 4283

Xuedong Wang

Half course (fall term). Sections Tu., Th., at 10, 12, or 2, and three additional hours to be arranged. EXAM GROUP: 12

Modern texts, conversation, reading, and composition.

Note: No auditors. May not be taken pass/fail.

Prerequisite: Chinese Bb or equivalent.

Chinese 120b (formerly Chinese 101b). Intermediate Modern Chinese

Catalog Number: 1702

Xuedong Wang

Half course (spring term). Sections Tu., Th., at 10, 12, or 2, and three additional hours to be arranged. EXAM GROUP: 12

Continuation of Chinese 120a.

Chinese 123b (formerly Chinese 101x). Intermediate Modern Chinese for Advanced Beginners

Catalog Number: 7034

Hui-Yen Huang

Half course (spring term). Sections M., W., F. at 10 or 2, and two additional hours to be arranged. EXAM GROUP: 3

Continuation of Chinese Bx. Covers in one term the equivalent of Chinese 120a and 120b.

[Chinese 124a (formerly Chinese 116a). Intermediate Taiwanese Conversation (Southern Min)]

Catalog Number: 8491

Half course (fall term). Hours to be arranged.

Continuation of Chinese Mb.

Note: Expected to be given in 2007–08. No auditors.

Prerequisite: Chinese Mb or equivalent.



[Chinese 124b (formerly Chinese 116b). Intermediate Taiwanese Conversation (Southern Min)]

Catalog Number: 2565

Half course (spring term). Hours to be arranged.

Continuation of Chinese 124a.

Note: Expected to be given in 2007–08. No auditors.

Prerequisite: Chinese 124a or equivalent.

Chinese 125ab (formerly Chinese 102ab). Intensive Intermediate Modern Standard Chinese

Catalog Number: 0977

Miaomiao Wang

Full course (spring term). M. through F., at 1; M. through F., at 2. EXAM GROUP: 6, 15

Continuation of Chinese Aab.

Note: Satisfies prerequisite for third year Chinese.

Prerequisite: Chinese Aab, or Ba and Bb, or equivalent.

Chinese 130a (formerly Chinese 105a). Advanced Modern Chinese

Catalog Number: 6724

Haohsiang Liao

Half course (fall term). Sections Tu., Th., at 9, 11, or 2, and three additional hours to be arranged. EXAM GROUP: 11

A study of writings selected from modern Chinese literature, academic works and newspaper articles, aimed at enhancing and further developing the student's proficiency in modern Chinese language.

Note: Conducted in Chinese.

Prerequisite: Two years of modern Chinese.

Chinese 130b (formerly Chinese 105b). Advanced Modern Chinese

Catalog Number: 2917

Haohsiang Liao

Half course (spring term). Sections T., Th., at 9, 11, or 2, and three additional hours to be arranged. EXAM GROUP: 11

Continuation of Chinese 130a.

Note: Conducted in Chinese.

Prerequisite: Chinese 130a.

Chinese 140a (formerly Chinese 110a). Advanced Readings in Modern Chinese

Catalog Number: 1945

Yu Feng

Half course (fall term). Sections M., W., F., at 10, or 2, and two additional hours to be arranged. EXAM GROUP: 3

Rapid reading of selections from books and articles.

Note: Conducted in Chinese.

Prerequisite: Chinese 130b.



Chinese 140b (formerly Chinese 110b). Advanced Readings in Modern Chinese

Catalog Number: 6844

Yu Feng

Half course (spring term). Sections M., W., F., at 10, 1, or 2, and two additional hours to be arranged. EXAM GROUP: 3

Continuation of Chinese 140a.

Chinese 142a (formerly Chinese 113a). Advanced Conversational Chinese

Catalog Number: 3900

Yu Feng

Half course (fall term). Tu., Th., 10–11:30 and one additional hour to be arranged. EXAM GROUP: 12, 13

Spoken Chinese for advanced students.

Prerequisite: Chinese 140a or equivalent.

Chinese 142b (formerly Chinese 113b). Advanced Conversational Chinese

Catalog Number: 1418

Yu Feng

Half course (spring term). Section I: Tu., Th., 10–11:30, Section II: Tu., Th., 2–3:30. One additional hour of speaking practice to be arranged. EXAM GROUP: 12, 13

Spoken Chinese for advanced students.

Prerequisite: Chinese 130b or equivalent.

Chinese 150a. Formal Chinese Writing and Speaking

Catalog Number: 5621 Enrollment: Limited to 10.

Yu Feng

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

The purpose of this course is to enable students to acquire a comprehensive written grammar with sufficient formal vocabulary in modern Chinese. Formal patterns generated by combining single characters are used for the foundation of written grammar. This course also offers students authentic academic readings in order to improve their abilities in academic writing and formal speech. Students are required to write and present their essays in formal Chinese.

Prerequisite: Chinese 140b or equivalent.

Chinese 150b. Formal Chinese Writing and Speaking

Catalog Number: 8111 Enrollment: Limited to 10.

Yu Feng

Half course (spring term). Tu., Th., at 10; M., W., F., at 10; M., W., F., at 2. EXAM GROUP: 12

Continuation of Chinese 150a.

Prerequisite: Chinese 150a.

[Chinese 163 (formerly Chinese 125). Business Chinese]

Catalog Number: 6558

Yu Feng

Half course (spring term). Hours to be arranged.

Designed for students interested in international business or for students who intend to work or



travel for business in Chinese-speaking communities (including China, Taiwan, Hong Kong, and Singapore), or for students who desire to improve their Chinese language proficiency. An introduction to business and economic climates, practices and customs of these communities. Students learn specialized business and economic vocabulary and the principles of business correspondence.

Note: Expected to be given in 2007–08. Conducted in Chinese. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students.

Prerequisite: At least three years of modern Chinese or equivalent (with instructor's permission).

Chinese 179r (formerly Chinese 111r). Readings in Modern Chinese Literature and Culture

Catalog Number: 7049

Xiaofei Tian

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Essay has always been an important genre in Chinese literature. This year's topic will be a survey of the modern Chinese essay in the first half of the twentieth century. We will read a series of essays by Lu Xun, Zhou Zuoren, Yu Dafu, Feiming, Shen Congwen, Wang Zengqi, Su Qing, and Zhang Ailing (Eileen Chang), and discuss their literary and cultural implications.

Note: Conducted in Chinese.

Prerequisite: At least three years of modern Chinese or equivalent.

Chinese 180r (formerly Chinese 180). Modern Chinese for Research

Catalog Number: 0933

Joanna C. Kuriyama

Half course (fall term; repeated spring term). Fall: Tu., 3–5:30; Spring: Tu., 3–5; Th., 3–5.

EXAM GROUP: 17, 18

This course aims to assist students engaged in research (senior theses, dissertations, etc.) involving the reading of modern Chinese. Instruction will center on the idiomatic expressions and syntactical structures of the texts that the students themselves bring in.

Chinese 181r. Classical Chinese for Research - (New Course)

Catalog Number: 8013

Joanna C. Kuriyama

Half course (fall term; repeated spring term). Spring: W., 3–5. EXAM GROUP: Spring: 8, 9

This course aims to assist students engaged in research (senior theses, dissertations, etc.) that involves the reading of classical Chinese. Instruction will center on the grammar and idiomatic expressions of the texts that the students themselves bring in.

[Chinese 188 (formerly Chinese 130). Traditional Chinese Philology]

Catalog Number: 2801

Shengli Feng

Half course (spring term). Hours to be arranged.

Traditional Chinese philology consists of a set of principles and techniques in four major areas: paleography, historical phonology, exegesis, and historical syntax. Students will acquire proficiency in theories, principles, and techniques that enable them to decode the ancient language rationally and that facilitate their understanding and translation accurately.



Note: Expected to be given in 2007–08.
Prerequisite: Chinese 107b or equivalent.

Chinese 190r. Traditional Philology: Study on *Shuowen Jiezi*

Catalog Number: 6550

Shengli Feng

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

This course will focus on the sound-graph-and-meaning system of *Shuowen Jiezi* (the First Comprehensive Chinese Dictionary). The purpose of this course is to help students build a basic exegetic foundation through the study of graphic meaning, word meaning and cognate meaning. The 540 radicals with their cognate words and phonological categories will be examined. Students are expected to learn basic skills of how to solve ancient textual problems by using paleographic, exegetic and phonologic techniques.

Prerequisite: Chinese 107b or equivalent.

Literary Chinese Courses

Chinese 106a. Introduction to Literary Chinese

Catalog Number: 1185

Sarah M. Allen

Half course (fall term). Tu., Th., 11:30–1 and additional hours to be arranged. EXAM GROUP: 13, 14

Basic grammar and the reading of simple historical narrative.

Note: Additional section may be added if enough students enroll, with times to be arranged.

Prerequisite: At least one year of modern Chinese, or familiarity with Chinese characters through knowledge of Japanese or Korean.

Chinese 106b. Introduction to Literary Chinese

Catalog Number: 3600

Sarah M. Allen

Half course (spring term). Tu., Th., 11:30–1; Tu., Th., 2–3:30. EXAM GROUP: 13, 14

Introduction to pre-Qin philosophical texts.

Note: Additional section may be added if enough students enroll, with times to be arranged.

Prerequisite: Chinese 106a or permission of instructor.

Chinese 107a. Intermediate Literary Chinese

Catalog Number: 3343

Sarah M. Allen

Half course (fall term). Tu., Th., 10–11:30, and additional hours to be arranged. EXAM GROUP: 12, 13

A second-year course designed to prepare students for reading and research using materials written in Literary Chinese. The focus in the fall semester will be prose from the Tang and Song dynasties.

Prerequisite: One year of literary Chinese (Chinese 106 or equivalent).



Chinese 107b. Intermediate Literary Chinese

Catalog Number: 6931

Sarah M. Allen

Half course (spring term). Tu., Th., 10–11:30, and additional hours to be arranged. EXAM GROUP: 12, 13

A continuation of Chinese 107a, introducing more prose styles as well as poetry and lyric.

Prerequisite: Chinese 107a or equivalent.

Primarily for Graduates

[Chinese Linguistics 200. Introduction to Teaching of Modern Chinese Language]

Catalog Number: 5108

Shengli Feng

Half course (spring term). Hours to be arranged.

Introduction to teaching Modern Standard Chinese as a second language at college level.

Reviews concepts and publications relating to trends in second language teaching, pedagogical issues and materials concerned with teaching MSC, observation of teaching.

Note: Expected to be given in 2007–08.

China: History Courses

For Undergraduates and Graduates

[Chinese History 113. Social History of Late Imperial China]

Catalog Number: 8264

Michael A. Szonyi

Half course (fall term). Hours to be arranged.

This course is a survey of the social and cultural history of China from the Song to the mid-Qing (roughly from 1000 to 1800). The main topics discussed include urbanization and commerce; gender; family and kinship; education and the examination system, and religion and ritual. The main goal of the course will be to explore the relationship between social and cultural changes and political and intellectual developments

Note: Expected to be given in 2007–08.

[Chinese History 118. History of Relations between China and Inner Asia]

Catalog Number: 6134

Mark C. Elliott

Half course (fall term). Hours to be arranged.

The interaction between sedentary and nomadic civilizations is one of the great themes of human history. This course focuses on the classic case of relations between China and Inner Asia from ancient times to the 20th century. Approaching the problem from historical and theoretical perspectives, the course addresses the political, economic, social, and cultural dimensions of the storied Great Wall frontier.

Note: Expected to be given in 2007–08. Some knowledge of Chinese is recommended but not required. Open to undergraduates and graduates, with differing requirements.



[Chinese History 126. Cognition and Culture in Local China]

Catalog Number: 4939

Peter K. Bol and Michael A. Szonyi

Half course (spring term). Hours to be arranged.

This course brings students into social and cultural life in China in present and past by an intensive examination of the patterns of everyday life in one well-defined area, the prefecture (now a municipality) of Jinhua, a group of between seven and eight counties, located in the middle of Zhejiang Province.

Note: Expected to be given in 2007–08.

Cross-listed Courses

[Anthropology 1210. The Archaeology of Early China]

[Anthropology 1880. Chinese Culture and Society]

[Foreign Cultures 48. The Cultural Revolution]

[Historical Study A-13. China: Traditions and Transformations](#)

[Historical Study A-53. The Chinese Revolutionary Tradition]

[History 1824. The Emergence of Modern China]

[History 1827. Nationalism and Ethnicity in China]

[History 1828. Christianity and Chinese Society: Conference Course](#)

[Moral Reasoning 78. Classical Chinese Ethical and Political Theory - \(New Course\)](#)

Primarily for Graduates

[Chinese History 232r \(formerly Chinese History 232\). Topics in Han History](#)

Catalog Number: 7542

Michael J. Puett

Half course (spring term). Tu., 1–4. EXAM GROUP: 15, 16, 17

Examines various topics in the history of the Han Dynasty.

[Chinese History 235r (formerly Chinese History 235). Topics in Warring States History: Seminar]

Catalog Number: 1499

Michael J. Puett

Half course (spring term). Hours to be arranged.

Close reading of texts from the Warring States period.

Note: Expected to be given in 2008–09.

[Chinese History 243. Materials for Cultural History: Seminar - \(New Course\)](#)

Catalog Number: 8669

Peter K. Bol and Wilt L. Idema

Half course (spring term). M., 1–4. EXAM GROUP: 6, 7, 8

Reading and analysis of a household encyclopedia as a guide to the culture of everyday life of local elites in Song, Yuan, and Ming China.

Prerequisite: One year of literary Chinese or equivalent.



Chinese History 244. Introduction to the Study of Late Medieval Chinese Textual Sources - (New Course)

Catalog Number: 9981

Yang Lu

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

The seminar aims to survey the primary sources available for conducting historical study of the Sui, Tang and Five Dynasties periods. The seminar will also introduce important modern scholarship in Chinese, Japanese, and Western languages.

Prerequisite: Reading knowledge of classical and modern Chinese required. Reading knowledge of *Kambun* and modern Japanese recommended, but not required. Otherwise, consult instructor for permission.

Chinese History 248. Introduction to Archaeology of Medieval China (400–1000) - (New Course)

Catalog Number: 0948

Yang Lu

Half course (spring term). W., 1–4. EXAM GROUP: 6, 7, 8

This seminar surveys major archaeological finds in the past 50 years that help shed light on life in medieval China. The materials include finds excavated outside of China proper, such as in Inner and Northeast Asia.

Prerequisite: Reading knowledge of modern Chinese required. Reading knowledge of modern Japanese recommended, but not required.

Chinese History 251. Confucian Ethics: Conference Course

Catalog Number: 2428

Wei-Ming Tu

Half course (spring term). W., 2–5. EXAM GROUP: 7, 8, 9

An exploration of salient features in the Confucian mode of moral reasoning.

Note: Offered jointly with the Divinity School as 3857.

[Chinese History 252. The Conquest Dynasties]

Catalog Number: 6854

Mark C. Elliott and Leonard W. J. van der Kuijp

Half course (spring term). Hours to be arranged.

Examines the history of northern "alien" regimes in comparative perspective. Attention is given to historiographical as well as theoretical issues of conquest, colonialism, law, identity, language, and gender.

Note: Expected to be given in 2008–09.

Prerequisite: Reading knowledge of modern Chinese and/or Japanese required. Reading knowledge of classical Chinese recommended, but not required.

[Chinese History 255. Popular Religion in Late Imperial China: Historiography]

Catalog Number: 0337

Michael A. Szonyi

Half course (fall term). Hours to be arranged.

In this seminar we will explore current writings on the relationship between Chinese popular



religion and the Buddhist, Daoist, and Confucian traditions since the Song dynasty. We will discuss religion and ritual as important aspects of social experience, which interact with and shed light on other aspects of social relations. Some of the topics discussed will include: syncretism, state regulation and cultural integration; local cults and Daoism.

Note: Expected to be given in 2007–08.

[Chinese History 256. Popular Religion in Late Imperial China: Texts and Methods]

Catalog Number: 1081

Michael A. Szonyi

Half course (fall term). Hours to be arranged.

This seminar introduces the different types of primary materials useful for study of popular religion in late imperial China. Course meetings are spent translating and discussing these materials.

Note: Expected to be given in 2008–09.

Prerequisite: Fluency in classical Chinese is required.

Cross-listed Courses

[Anthropology 2960r (formerly Anthropology 296r). Chinese Social Anthropology: Seminar]

[History 2848a. Introduction to Archival Research in Chinese History: Seminar]

China: Literature Courses

For Undergraduates and Graduates

[Chinese Literature 130. Screening Modern China: Chinese Film and Culture]

Catalog Number: 7241

Eileen Cheng-yin Chow

Half course (fall term). Hours to be arranged.

How do Chinese films between the two fin-de-siècles create the spectacle of “China” at home and abroad? Course topics include: the cinematic histories of China, Taiwan, and Hong Kong; the origins of early Chinese cinema; film’s relationship to literary and pop culture discourses; aesthetic responses to historical crises; “spectacular” violence and the martial arts genre. Please see website for a more detailed course description.

Note: Expected to be given in 2007–08. Lectures and readings in English, plus weekly film screenings. No prior background in subject matter required. This course, when taken for a letter grade, meets the Core area requirement for Foreign Cultures.

[Chinese Literature 132. Chinatowns](#)

Catalog Number: 8316

Eileen Cheng-yin Chow

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Explores ways that “Chinatown” has circulated as ‘memory, fantasy, narrative, myth’ in the dominant cultural imagination the last century and a half, and how realities of overseas communities, Asian American history, and conceptions of ‘Chineseness’ have engaged with real



and phantom Chinatowns. Though emphasis is on cultural and theoretical issues rather than socio-historical study of the “Chinatown” phenomenon, participants are encouraged to pursue multi-disciplinary approaches, such as studies in urban history, economics, or creative projects. *Note:* Primarily for undergraduates; graduate students may enroll with permission of instructor.

[Chinese Literature 153. From Mulan and Mulian to Liang Shanbo and Zhu Yingtai: Chinese Popular Legends in Their Premodern Forms]

Catalog Number: 1105

Wilt L. Idema

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Premodern Chinese culture had a rich tradition of verse narrative, which can be traced back almost two thousand years. These popular ballads were the common form for the dissemination of some of China’s most popular legends. This course will focus both on the historical development and regional variation of these legends, and on the popular literary forms in which they were transmitted.

Note: Expected to be given in 2007–08.

[Chinese Literature 170. Forbidden Romance in Modern China]

Catalog Number: 5045

David Der-Wei Wang

Half course (fall term). Hours to be arranged.

This course surveys China’s search for affective modernity by examining how writers and literati engaged in unlikely romances and illicit loves in both fiction and life. It also looks into the moral and political consequences of these forbidden romances.

Note: Expected to be given in 2007–08.

[Chinese Literature 185. Nation and Narration in Contemporary Literature and Film - \(New Course\)](#)

Catalog Number: 6695

Haiyan Lee

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This course explores the nation as it is constructed, deconstructed, and continuously contested in novels, short stories, films, and other media from the second half of the twentieth century in mainland China and Taiwan. Our goal is three-fold: 1) gaining in-depth knowledge of sinophone literature and culture from the mid-twentieth century to the new millennium; 2) becoming familiar with the theoretical literature on nationalism; and 3) developing the skills of close reading and analysis.

Cross-listed Courses

For related courses, see also *China: Language Courses* section.

[Foreign Cultures 67. Popular Culture in Modern China](#)

[Foreign Cultures 68. Authority and the Claims of the Individual in Chinese Literary Culture]

[*Freshman Seminar 39v. How to Read Chinese Poetry - \(New Course\)](#)

[Linguistics 171. Structure of Chinese](#)



[Literature and Arts A-57. State and Nation: Languages in Conflict]
[Literature and Arts A-63. Women Writers in Imperial China: How to Escape from the Feminine Voice](#)
[Literature and Arts B-48. Chinese Imaginary Space](#)
[Literature and Arts C-40. The Chinese Literati](#)

Primarily for Graduates

[Chinese Literature 200. Pre-modern Chinese Literary Studies]

Catalog Number: 2533

Xiaofei Tian

Half course (fall term). Hours to be arranged.

An introduction to the study of pre-modern Chinese literature, its history and customs, sources and resources, and issues in research.

Note: Expected to be given in 2007–08. Primarily for first- and second-year graduate students in Chinese literature.

[Chinese Literature 201a. History of Chinese Literature: Beginnings through Song](#)

Catalog Number: 0165

Xiaofei Tian

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Basic scholarly introduction to major writers, works, and literary forms through the 13th century. Also includes bibliographical background and readings in primary texts.

Prerequisite: One year of literary Chinese.

[Chinese Literature 201b. History of Chinese Literature: 900-1900](#)

Catalog Number: 1760

Wilt L. Idema

Half course (spring term). W., 2–5. EXAM GROUP: 7, 8, 9

Continuation of Chinese Literature 201a. Provides an in-depth overview of the development of Chinese literature during the late imperial period, with special (but not exclusive) emphasis on the development of vernacular literature.

[Chinese Literature 205. Issues in the Study of Chinese Vernacular Fiction - \(New Course\)](#)

Catalog Number: 8394

Wilt L. Idema

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

General introduction to the study of traditional vernacular fiction, including its origin and later development, as well as traditional and modern Chinese approaches to this body of literature. Special attention paid to available reference works.

[Chinese Literature 215r \(formerly Chinese 215r\). Cultural and Literary Discourse in Premodern China](#)

Catalog Number: 8043

Xiaofei Tian



Half course (spring term). M., 1–4. EXAM GROUP: 6, 7, 8
This year's topic is a survey of the literature from Eastern Han to Sui.

[Chinese Literature 224r. Topics in Modern Chinese Literature]

Catalog Number: 4997

Eileen Cheng-yin Chow

Half course (fall term). Hours to be arranged.

The focus of this year's seminar will be film studies.

Note: Expected to be given in 2007–08.

Prerequisite: Advanced command of modern Chinese.

Chinese Literature 225. Visual Evidence

Catalog Number: 7222

Eileen Cheng-yin Chow

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Through texts and investigations into visual practices, explores interactions of social context, technology, and culture in Qing and Republican China, and the role material media plays in changing epistemological formations, and in defining the “modern.”

Prerequisite: Advanced command of modern Chinese; ability to read classical Chinese.

[Chinese Literature 226. *Honglou meng (Dream of the Red Chamber)*: Seminar]

Catalog Number: 0229

Wai-yee Li

Half course (fall term). Hours to be arranged.

A close reading of the masterpiece of Chinese fiction, *Honglou meng*, drawing on commentary traditions and modern interpretations. We will explore how *Honglou meng* sums up and rethinks various aspects of the Chinese tradition.

Note: Expected to be given in 2007–08.

[Chinese Literature 227r (formerly Chinese Literature 227). Early Chinese Historiography: Records of the Historian]

Catalog Number: 3773

Wai-yee Li

Half course (spring term). Hours to be arranged.

Studies the *Shiji* and ponders early Chinese conceptions of history by examining its rhetorical, narrative, and interpretive modes. We will examine how evolving and overlapping stories represent the claims and limits of historical knowledge.

Note: Expected to be given in 2007–08.

Prerequisite: Reading knowledge of classical Chinese.

Chinese Literature 228. Asian Modernities: An Introduction to Critical and Cultural Theories

Catalog Number: 7357

Eileen Cheng-yin Chow

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

We look at the place of theory and criticism in the study of ‘Asia’ in the academy today. We



engage in topics such as the construction of 'literature', literary traditions, and national cultures in a comparative context; articulations of internationalism and cosmopolitanism as counter-discourses; recent debates on nationalism and modernity, cultural studies, gender studies, translation and travel, and the proliferation of 'post-' studies (postmodern, post-colonial, post-ethnic) as they pertain to our research and writing.

Note: Graduate seminar; qualified undergraduates require permission of instructor. Knowledge of one Asian literary or cultural tradition helpful.

[Chinese Literature 242. From History into Fiction]

Catalog Number: 2949

David Der-Wei Wang

Half course (fall term). Hours to be arranged.

This seminar deals with the dialogics between historical dynamics and literary manifestation at select moments of twentieth century China. It focuses on two themes: history and representation; modernity and monstrosity.

Note: Expected to be given in 2007–08.

[Chinese Literature 243r. Seminar: Chinese Literature and Culture - Chinese Literature in the Late Qing and Post-modern Eras]

Catalog Number: 2790

David Der-Wei Wang

Half course (fall term). Hours to be arranged.

This course studies Chinese literature at the turns of the twentieth and twenty-first centuries. It highlights fin-de-siècle cultural and conceptual dynamics and it uses a multiple approach to Chinese literary modernities.

Note: Expected to be given in 2007–08. Advanced reading knowledge of Chinese is required.

[Chinese Literature 245r \(formerly Chinese Literature 245\). Topics in Sinophone Studies - Modern Chinese Poetry on the Periphery](#)

Catalog Number: 0321

Michelle Yeh

Half course (fall term). F., 1–4. EXAM GROUP: 6, 7, 8

Survey of modern Chinese poetry and poetics from Taiwan, Hong Kong, and the Chinese Diaspora: polemics of the canon, dialogues between national and regional imaginaries, and literary cultures in the Sinophone world.

[Chinese Literature 247. Chinese Lyricism and Modernity - \(New Course\)](#)

Catalog Number: 8098

David Der-Wei Wang

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Explores lyricism as an overlooked discourse in modern Chinese literature and culture. Looks into lyrical representations in poetic, narrative, and performative terms and re-defines the polemics of "the lyrical" in the making of Chinese modernities.

[Chinese Literature 266r. Topics in Ancient Literature]

Catalog Number: 6253



Stephen Owen

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2008–09.

Prerequisite: Two years of literary Chinese or equivalent.

Chinese Literature 267r. Topics in Tang Literature

Catalog Number: 8521

Stephen Owen

Half course (spring term). F., 1–4. EXAM GROUP: 6, 7, 8

The topic this term will be the writings of Han Yu and his circle.

Prerequisite: Two years of literary Chinese or equivalent.

[Chinese Literature 268r. Topics in Song and Yuan Literature]

Catalog Number: 7143

Stephen Owen

Half course (fall term). Hours to be arranged.

Song lyric (*ci*) of the 10th and 13th century.

Note: Expected to be given in 2008–09.

Chinese Literature 269. Chinese Poetry and Poetics - (New Course)

Catalog Number: 3726

Stephen Owen

Half course (fall term). W., 2:30–5:30. EXAM GROUP: 7, 8, 9

Reading Chinese poetry in the context of pre-modern criticism, including poetry manuals (both *shige* and *shifa*), *shihua*, and critical anthologies.

Prerequisite: Two years of literary Chinese or equivalent.

Graduate Courses of Reading and Research

***Chinese 300. Reading and Research**

Catalog Number: 4849

Peter K. Bol 8014 (on leave fall term), Eileen Cheng-yin Chow 2308 (on leave 2007-2008), Mark C. Elliott 3329, Robert M. Gimello (University of Arizona) 9240, Wilt L. Idema 2511, Philip A. Kuhn 8051 (on leave fall term), Wai-ye Li 3357 (on leave 2006-07), Stephen Owen 7418, Michael J. Puett 1227, Michael A. Szonyi 4842 (on leave 2006-07), Xiaofei Tian 3746, Wei-Ming Tu 7233, and David Der-Wei Wang 5190 (on leave fall term)

Japan: Language Courses

For Undergraduates and Graduates

Japanese Ba. Elementary Japanese

Catalog Number: 2014

Yuko Kageyama-Hunt

Half course (fall term). Sections M., W., F., at 9, 10, or 1, and two additional hours to be arranged for Tu. and Th. EXAM GROUP: 2



This course aims to develop a basic foundation in modern Japanese leading to proficiency in the four language skills of speaking, listening, reading and writing. Emphasis is placed on the use of these skills to communicate effectively in authentic contexts of daily life. Mastery of hiragana, katakana, and 29 Kanji (Chinese characters.)

Japanese Bb. Elementary Japanese

Catalog Number: 8728

Yuko Kageyama-Hunt

Half course (spring term). Sections M., W., F., at 9, 10, or 1, and two additional hours to be arranged for Tu. and Th. EXAM GROUP: 2

Continuation of Japanese Ba, with an additional 151 Kanji.

Prerequisite: Japanese Ba or equivalent.

Japanese 106a. Classical Japanese

Catalog Number: 1492

Edwin A. Cranston

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Introduction to classical grammar and texts.

Prerequisite: Japanese 130b.

[Japanese 106b. Kambun]

Catalog Number: 2602

Edwin A. Cranston

Half course (spring term). Hours to be arranged.

Introduction to *Kambun*.

Note: Expected to be given in 2007–08.

Prerequisite: Japanese 106a or equivalent.

Japanese 106c. Later Classical Japanese

Catalog Number: 7307

Edwin A. Cranston

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Post-Heian writings in Classical Japanese.

Prerequisite: Japanese 106a or equivalent.

Japanese 120a (formerly Japanese 101a). Intermediate Japanese I

Catalog Number: 8152

Itsuko Nakamura

Half course (fall term). Sections M. through F., at 9, 10, or 1. EXAM GROUP: 2

Second-year intermediate level course aimed at consolidation of the basic grammatical patterns of Japanese and development of reading, writing, speaking, and listening skills to the level necessary for communication in everyday life in Japanese society. Introduction of approximately 300 Chinese characters beyond those introduced in Bb.

Prerequisite: Japanese Bb or equivalent.



Japanese 120b (formerly Japanese 101b). Intermediate Japanese I

Catalog Number: 6433

Itsuko Nakamura

Half course (spring term). Sections M. through F., at 9, 10, or 1. EXAM GROUP: 2, 3

Continuation of Japanese 120a. Approximately 300 additional Chinese characters.

Japanese 130a (formerly Japanese 103a). Intermediate Japanese II

Catalog Number: 4855

Satomi Matsumura

Half course (fall term). M. through F., at 9 or 1. EXAM GROUP: 2, 6, 11

Third-year intermediate advanced course. Development of skills in reading authentic materials from contemporary Japanese media and fiction and in aural comprehension of contemporary television news and drama with decreased reliance on pedagogical aids. Development of speaking and writing skills to an increasingly sophisticated level. Introduction of approximately 300 additional Chinese characters beyond those introduced in 120b.

Prerequisite: Japanese 120b or equivalent.

Japanese 130b (formerly Japanese 103b). Intermediate Japanese II

Catalog Number: 6904

Satomi Matsumura

Half course (spring term). M. through F., at 9 or 1. EXAM GROUP: 2

Continuation of Japanese 130a. Approximately 300 additional Chinese characters.

Japanese 140a (formerly Japanese 104a). Advanced Modern Japanese

Catalog Number: 3688

Emi Yamanaka

Half course (fall term). Sections: M. through Th., at 9 or 10. EXAM GROUP: 2, 11

Readings of modern texts in both rapid and in-depth modes. Comprehension of media news and drama. Advanced conversation and composition on topics related to the preceding.

Prerequisite: Japanese 130b.

Japanese 140b (formerly Japanese 104b). Advanced Modern Japanese

Catalog Number: 8551

Emi Yamanaka

Half course (spring term). Sections: M. through Th., at 9 or 10. EXAM GROUP: 2, 11

Continuation of Japanese 140a.

Japanese 150a (formerly Japanese 110a). Readings and Discussion in Japanese Social Sciences

Catalog Number: 4693

Emi Yamanaka

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Selected readings and discussion in contemporary Japanese on topics in social studies, culture, education, politics, business, economy, psychology, and anthropology, supplemented by selections from audiovisual materials on current social issues.



Note: Conducted in Japanese.

Prerequisite: Japanese 140b.

Japanese 150b (formerly Japanese 110b). Readings and Discussion in Japanese Social Sciences

Catalog Number: 0984

Emi Yamanaka

Half course (spring term). Tu., Th., at 1, F., at 2. EXAM GROUP: 7, 15

Continuation of Japanese 150a.

Prerequisite: Japanese 150a.

Cross-listed Courses

[Linguistics 174. Tense and Aspect in Japanese]

Linguistics 176. History of the Japanese Language

Primarily for Graduates

Japanese 207. Japanese Historical Writing

Catalog Number: 9716

Harold Bolitho

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

An introduction to historical source materials from the Tokugawa period (1600-1868).

Japanese 210a (formerly Japanese 209a). Reading Scholarly Japanese for Students of Chinese and Korean

Catalog Number: 9182

Wesley M. Jacobsen

Half course (fall term). M., W., F., at 9, and an additional 90 minutes weekly to be arranged.

EXAM GROUP: 2

Development of skills in reading and translating academic genres of Japanese, with special attention to Japanese scholarship on Chinese and Korean studies. Introduction to old kana usage and classical forms commonly used in scholarly writing.

Prerequisite: Japanese 120b, and graduate standing in some field of Chinese or Korean studies.

Japanese 210b (formerly Japanese 209b). Reading Scholarly Japanese for Students of Chinese and Korean

Catalog Number: 8918

Wesley M. Jacobsen

Half course (spring term). M., W., F., at 9 and an additional 90 minutes weekly to be arranged.

EXAM GROUP: 2, 3

Continuation of Japanese 210a.

Prerequisite: Japanese 210a.

Japan: History Courses



For Undergraduates and Graduates

Japanese History 111a. Gods, Sovereigns, and Shoguns: The History of Early Japan

Catalog Number: 3616

Mikael Adolphson

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

A survey of Japan from its prehistoric origins to the early 1500s, focusing on the emergence of the imperial state, court rulership and the rise of the samurai. Though dominated by the rulership, religions, and lifestyles of courtiers and warriors, the course also explores the cultural context within which elites, commoners, and those in between lived and prospered.

Japanese History 111b. The Shogun's Realm, 1600-1868

Catalog Number: 1244

Harold Bolitho

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Reading and discussion of writings on political institutions, land systems and agriculture, commerce, population, and intellectual developments from the late 16th to the mid-19th century.

Japanese History 115. Religion and Society in Edo and Meiji Japan

Catalog Number: 5756

Helen Hardacre

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Examination of religion and society in Japan from 1600-1912, beginning with an era of state control over religious institutions and religious affiliations of the populace, followed by the demise of the Edo-period system and diversification of religious practice in context of rapid social change, modernization, and imperialism during the Meiji period. Separate section for students able to utilize primary sources in Japanese will explore the Maruzen Meiji Microfilm collection in the Harvard-Yenching Library.

Note: Offered jointly with the Divinity School as 3957.

Prerequisite: General knowledge of Japanese history and religion is helpful.

Japanese History 120. Religion and Society in Twentieth-Century Japan

Catalog Number: 4903

Helen Hardacre

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

An examination of religion and society from the end of the Meiji period (1912) to the present. This course explores the meaning of the modern in Japanese religions, the development of the public sphere and religion's relations with it, religion and nationalism, and the interconnections of religion and social change with materialism, consumerism, pacifism, and spiritualism.

Note: Offered jointly with the Divinity School as 3958.

Prerequisite: General knowledge of Japanese history and religion is helpful. Enrollment in Japanese History 115 recommended but not required.

Japanese History 125. Japanese Religious Traditions: Spirituality and Popular Culture

Catalog Number: 0725

Ryuichi Abe



Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

An introductory course designed for students to understand some central values in Japanese religious culture. It first observes popular religious ceremonies, festivals, and rituals and studies their historical transformation; then investigates the interaction between Buddhism and native Japanese religion; and finally studies the permeating influence of religion on traditional Japanese art and literature. The concluding section considers wide-ranging contemporary and traditional religious issues in Japanese popular culture.

Japanese History 126. Shinto: Conference Course

Catalog Number: 3097

Helen Hardacre

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

An examination of Shinto, emphasizing its concepts of deity (*kami*), patterns of ritual and festival, shrines as religious and social institutions, political culture and interactions with party politics, and its contribution to contemporary youth culture.

Note: General knowledge of Japanese history and religion is helpful. Japanese language is not required, but several meetings will be held for students able to use Japanese-language sources. Offered jointly with the Divinity School as 3960.

[Japanese History 130. Edo Japan in the History of Curiosity]

Catalog Number: 4445

Shigehisa Kuriyama

Half course (spring term). Hours to be arranged.

Edo culture considered through the prism of the comparative history of curiosity. Topics include the vogue of natural history, collections of curiosities, erotic art, travel and tourism, monsters and ghosts, optical devices, anatomy.

Note: Expected to be given in 2007–08.

Cross-listed Courses

[Foreign Cultures 84. Tokyo]

Historical Study A-14. Japan: Tradition and Transformation

History 1851. 20th-Century Japan

History of Art and Architecture 18k. Introduction to Japanese Art

Primarily for Graduates

[Japanese History 211. Introduction to Ancient and Medieval Japanese Historical Sources]

Catalog Number: 8174

Mikael Adolphson

Half course (fall term). Hours to be arranged.

An introduction to the reading and usage of original sources of ancient and medieval Japan with particular emphasis on Heian and Kamakura documents and diaries.

Note: Expected to be given in 2007–08.

Prerequisite: Knowledge of classical Japanese and *Kambun*.



Japanese History 212. Interpreting Edo Biographies

Catalog Number: 9718

Harold Bolitho

Half course (spring term). M., 9–11. EXAM GROUP: 2, 3

A seminar based on the study of selected Japanese language works which address the lives and social interactions of individuals, warriors, and others of the Tokugawa period.

Japanese History 220. Warriors, Monks, and Courtesans: Class and Gender Perspectives on Premodern Japan - (New Course)

Catalog Number: 3176

Mikael Adolphson

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

This conference course will explore the worlds of clerics, artisans, and traders, as well as of women in all stages of society in an attempt to incorporate categories that are commonly overlooked in traditional sources.

Japanese History 224. Teaching Japanese Religions: Pedagogical Issues and Course Design

Catalog Number: 6117

Helen Hardacre

Half course (fall term). W., 10–12. EXAM GROUP: 3, 4

This course offers practical experience in the design and implementation of courses in Japanese religions. Students will compile syllabi, plan discussion sessions, compose examination exercises, and consider relevant multi-media material, as well as conducting practice lectures and classes.

Note: Offered jointly with the Divinity School as 3803.

[Japanese History 255. Topics in the Study of Shinto]

Catalog Number: 9448

Helen Hardacre

Half course (fall term). Hours to be arranged.

Examination of various themes and issues in the history of Shinto. The subject this year will be the Shinto festival (*matsuri*).

Note: Expected to be given in 2007–08.

Prerequisite: Reading knowledge of modern Japanese.

[Japanese History 260r. Topics in Japanese Cultural History]

Catalog Number: 4539

Shigehisa Kuriyama

Half course (fall term). Hours to be arranged.

Topic for 2006-07: Money in Japanese cultural history.

Note: Expected to be given in 2007–08.

Prerequisite: Advanced reading knowledge of Japanese; some knowledge of classical Japanese and Chinese also desirable.

Cross-listed Courses



[*History 2851. Japanese History: Seminar](#)

Japan: Literature Courses

For Undergraduates and Graduates

[Japanese Literature 113. Monsters and Ghosts: Hypotheses and Images of the Other in Modern Japanese Literature - \(New Course\)](#)

Catalog Number: 2976

Rebecca Suter

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

This course will focus on the genres of fantasy and science fiction as means of representing the Other in modern and contemporary Japanese literature. We will examine the use of the fantastic in Japanese fiction as a means to deal with issues of modernity and identity, analyzing works by Natsume Sôseki, Akutagawa Ryûnosuke, Abe Kôbô, Honda Ishiro, Hoshi Shin'ichi, William Gibson, Murakami Haruki and Oshii Mamoru, among others.

[Japanese Literature 123. Manga](#)

Catalog Number: 7021

Adam L. Kern

Half course (spring term). Tu., Th., at 2, and one additional hour to be arranged. EXAM GROUP: 16

Surveys the *manga*—the Japanese comicbook, comic strip, and graphic novel—from its precursors in classic picture scrolls, pasquinades, and woodblock-printed art and literature; through its progenitors in Meiji newspapers and magazines; to its modern and contemporary manifestations in subgenres like *mecha* and *shôjo*. Draws upon critical writings on popular culture, visual culture, cultural studies, literary history, cartoon art, and the poetics of visual-verbal narrative.

Note: Japanese *not* required. Special sectioning for students with 3 or more years of modern Japanese to be arranged.

[Japanese Literature 124. The Tale of Genji in Word and Image - \(New Course\)](#)

Catalog Number: 2181

Melissa M. McCormick

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

This undergraduate seminar introduces students to The Tale of Genji, often called the world's first novel, authored by the court lady Murasaki Shikibu around the year 1000 CE. In addition to a close reading of the tale, topics for examination include Japanese court culture, women's writing, and Genji's afterlife in painting, prints, and the Noh theater. The class will include visits to art collections and the viewing of a Noh performance.

Cross-listed Courses

[Foreign Cultures 85. Japan Pop: From Basho to Banana - \(New Course\)](#)

[\[*Freshman Seminar 30i. The Tale of Genji in Word and Image\] - \(New Course\)](#)

[*Freshman Seminar 31g. The Pleasures of Japanese Poetry: Reading, Writing, and](#)



[Translation - \(New Course\)](#)
[Literature and Arts C-42. Constructing the Samurai](#)

Primarily for Graduates

[Japanese Literature 233r. Nara and Heian Court Literature](#)

Catalog Number: 8614

Edwin A. Cranston

Half course (spring term). W., 2–5. EXAM GROUP: 7, 8, 9

Topic: *Man'yōshū*.

Prerequisite: Japanese 106a or equivalent.

[Japanese Literature 242. Survey of Early Modern Japanese Literature]

Catalog Number: 0324

Adam L. Kern

Half course (fall term). Hours to be arranged.

Rapid readings of excerpts from major works across several genres of popular literature, including *kanazōshi*, *hyōbanki*, *ukiyo-zōshi*, *dangibon*, *sharebon*, *kibyōshi*, and *kokkeibon*.

Note: Expected to be given in 2009–10.

Prerequisite: Japanese 106a or equivalent.

[Japanese Literature 243r. Major Writers: Santo Kyoden]

Catalog Number: 5558

Adam L. Kern

Half course (fall term). Hours to be arranged.

Close readings of the works of Santo Kyoden (1761-1816), to be selected from his humorous writings (*kibyōshi* and *sharebon*), popular fiction (*gokan* and *yomihon*), serious treatises (*zuihitsu*), and antiquarian writings (e.g. *Kottoshū*).

Note: Expected to be given in 2008–09.

Prerequisite: Japanese 106a or equivalent.

[Japanese Literature 246. Creative Misreadings: Translations and Transits in Modern Japanese Literature - \(New Course\)](#)

Catalog Number: 5681

Rebecca Suter

Half course (fall term). Th., 2–5. EXAM GROUP: 16, 17, 18

This course will focus on the role of translation as a form of rewriting in Japanese modern literature, analyzing the circulation of themes and images from different cultures, and across different genres and media.

[Japanese Literature 250r. Gender and Japanese Art - \(New Course\)](#)

Catalog Number: 2144

Melissa M. McCormick

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

Examines "women's pictures" (*onna-e*), a genre that emerged in the 11th century and continued



throughout the medieval period. Will utilize paintings associated with the term, primary and secondary texts, and theoretical works in English.

Graduate Courses of Reading and Research

***Japanese 300. Reading and Research**

Catalog Number: 4627

Ryuichi Abe 4974, Mikael Adolphson 1878, Harold Bolitho 1176 (on leave spring term), Edwin A. Cranston 1186, Andrew Gordon 1891, Helen Hardacre 3191, Wesley M. Jacobsen 3443, Adam L. Kern 4195, Shigehisa Kuriyama 5269 (on leave spring term), Satomi Matsumura 2665, and Melissa M. McCormick 5331

Korea: Language Courses

For Undergraduates and Graduates

Korean Ba. Elementary Korean

Catalog Number: 8739

Mi-Hyun Kim

Half course (fall term). M., W., F., at 10, and two additional hours to be arranged. EXAM GROUP: 3

Introduction to modern Korean: basic grammar, reading of simple texts, conversational skills, and writing short letters. After successful completion of this course, students are expected to be able to handle a limited number of interactive, task-oriented, and social situations and to have sufficient control of the writing system to interpret written language in areas of practical needs.

Korean Bb. Elementary Korean

Catalog Number: 8718

Mi-Hyun Kim

Half course (spring term). M., W., F., at 10, and two additional hours to be arranged. EXAM GROUP: 3

Continuation of Korean Ba.

Prerequisite: Korean Ba or equivalent.

Korean Bxa (formerly Korean Bx). Elementary Korean for Advanced Beginners

Catalog Number: 0120

Sang-suk Oh

Half course (fall term). M., W., F., at 9, and two additional hours to be arranged. EXAM GROUP: 2

Designed for students with significant listening and speaking background, either from prior formal learning or previous exposure to a Korean speaking community. Introductory Korean course, with emphasis on reading and writing. After successful completion of this course, students are expected to be able to understand main ideas and/or some facts from the simple connected texts dealing with basic personal and social needs and to be able to meet a number of practical writing needs.



Korean Bxb (formerly Korean 102x). Elementary Korean for Advanced Beginners

Catalog Number: 3031

Sang-suk Oh

Half course (spring term). M., W., F., at 9, and two additional hours to be arranged. EXAM

GROUP: 2

Continuation of Korean Bxa.

Korean 120a (formerly Korean 102a). Intermediate Korean

Catalog Number: 5884

Sang-suk Oh

Half course (fall term). M., W., F., at 11 and two additional hours to be arranged. EXAM

GROUP: 4

Continuation of elementary Korean to consolidate students' knowledge of the fundamental grammatical structures of Korean with an aim to increase their abilities to communicate using Korean in a wide range of daily-life transactional situations. After successful completion of second-year Korean, students are expected to handle most uncomplicated communicative tasks and social situations and read consistently with understanding of simple connected texts dealing with personal and social needs.

Prerequisite: Korean Bb or equivalent.

Korean 120b (formerly Korean 102b). Intermediate Korean

Catalog Number: 8590

Sang-suk Oh

Half course (spring term). M., W., F., at 11 and two additional hours to be arranged. EXAM

GROUP: 4

Continuation of Korean 120a.

Prerequisite: Korean 120a or equivalent.

Korean 130a (formerly Korean 103a). Pre-advanced Korean

Catalog Number: 2071

Mi-Hyun Kim

Half course (fall term). M., W., F., at 2; and two additional hours to be arranged. EXAM

GROUP: 7, 8

Continuation of intermediate Korean, to consolidate the student's knowledge of the grammatical structures of Korean with an aim to increase their abilities to communicate using Korean in a wide range of familiar and everyday topics, current societal events, and factual and concrete topics relating to personal interests. After successful completion of third-year Korean, students are expected to be able to describe and narrate about concrete and factual topics of personal and general interest.

Prerequisite: Korean 120b or equivalent.

Korean 130b (formerly Korean 103b). Pre-advanced Korean

Catalog Number: 2662

Mi-Hyun Kim

Half course (spring term). M., W., F. at 2 and two additional hours to be arranged. EXAM

GROUP: 7, 8



Continuation of Korean 130a.

Prerequisite: Korean 130a or equivalent.

Korean 140a (formerly Korean 104a). Advanced Korean

Catalog Number: 5723

Sang-suk Oh

Half course (fall term). Tu., Th., 2–4, and one additional hour to be arranged. EXAM GROUP: 18

Development of skills in reading materials from contemporary Korean media and fiction and in aural comprehension of contemporary television news and drama with decreased reliance on pedagogical aids. After successful completion of fourth-year Korean, students should be able to satisfy the requirements of various everyday, school and work situations and follow essential points of written discourse which are abstract and linguistically complex, and also to write about a variety of topics in detail with precision.

Prerequisite: Korean 130b or equivalent.

Korean 140b. Advanced Korean

Catalog Number: 3011

Sang-suk Oh

Half course (spring term). Tu., 4–6. EXAM GROUP: 18

Continuation of Korean 140a.

Prerequisite: Korean 140a or equivalent.

Korean 150a (formerly Korean 110a). Readings in Cultural Studies

Catalog Number: 1936

Sang-suk Oh

Half course (fall term). Tu., 4–7 p.m. EXAM GROUP: 18

Selected readings in contemporary Korean on topics in art, film, drama, and cultural studies, supplemented by selections from audio-visual media on traditional and current cultural events. After completion of Korean 150a and 150b, students are expected to be able to participate in most formal and informal conversations on practical, social, professional, and abstract topics and read with almost complete comprehension and at normal speed expository prose on unfamiliar subjects and a variety of literary texts.

Prerequisite: Korean 140b or equivalent.

Korean 150b (formerly Korean 110b). Readings in Cultural Studies

Catalog Number: 1282

Sang-suk Oh

Half course (spring term). W., 4–7 p.m. EXAM GROUP: 9

Continuation of Korean 150a.

Prerequisite: Korean 140b or equivalent.

Korea: History Courses

For Undergraduates and Graduates



[Korean History 111. Traditional Korea]

Catalog Number: 3709

Sun Joo Kim

Half course (fall term). Hours to be arranged.

Survey of the history of Korea, from earliest times to the 19th century. Examines various interpretive approaches and issues in the political, social, economic, intellectual, cultural, and diplomatic history of premodern Korea.

Note: Expected to be given in 2007–08.

Cross-listed Courses

[Foreign Cultures 80. Korea at 2100](#)

[Historical Study A-75. The Two Koreas]

Primarily for Graduates

[Korean History 230r. Readings in Premodern Korean History]

Catalog Number: 4497

Sun Joo Kim

Half course (spring term). Hours to be arranged.

A study of social, political, economic, and intellectual history of premodern Korea reviewing major scholarship in the field. Designed primarily for graduate students preparing for the general examination. All readings are in English.

Note: Expected to be given in 2007–08.

Prerequisite: Korean History 111 or equivalent.

[Korean History 240r. Selected Topics in Premodern Korean History: Seminar]

Catalog Number: 9837

Sun Joo Kim

Half course (spring term). Hours to be arranged.

Reading and research of selected primary sources and secondary works on premodern Korean history.

Note: Expected to be given in 2008–09.

Prerequisite: Korean History 111 or equivalent and reading proficiency in Korean. Reading ability in classical Chinese and Japanese helpful.

[Korean History 253r. Modern Korean History: Proseminar](#)

Catalog Number: 0365

Carter J. Eckert

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

An introduction to some of the current issues in modern Korean history through selected readings. Designed primarily for entering graduate students.

[*Korean History 255r. Modern Korean History: Seminar]

Catalog Number: 0713

Carter J. Eckert



Full course (indivisible). Hours to be arranged.

Reading and research in modern Korean history. Students are required to write a project paper based largely on primary materials.

Note: Expected to be given in 2007–08.

Prerequisite: Korean History 253r or equivalent, and reading proficiency in Korean.

Korean History 260r (formerly Korean History 260hfr). Readings in Modern Korean History

Catalog Number: 5372

Carter J. Eckert

Full course (indivisible). Th., 2–4. EXAM GROUP: 16, 17

Explores the history of the field through an examination of major scholarship. Designed primarily for graduate students preparing for the general examination.

Korea: Literature Courses

For Undergraduates and Graduates

[Korean Literature 132. Korean Literature in Translation]

Catalog Number: 7838

David McCann

Half course (spring term). Hours to be arranged.

A survey of modern and pre-modern Korean literature in translation. Major genres, authors, works, periods; historical development of the field, including sequences of interpretive models and positions, Korean and foreign.

Note: Expected to be given in 2008–09.

Primarily for Graduates

Korean Literature 210r. Pre-Modern Korean Literature

Catalog Number: 6342

David McCann

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Close reading in a number of literary forms, including the essay, histories, prose fiction, songs, poetry, and p'ansori.

Note: Readings in English and Korean.

Prerequisite: Korean Literature 132 or equivalent.

[Korean Literature 212. Modern Korean Poetry]

Catalog Number: 5627

David McCann

Half course (fall term). Hours to be arranged.

Major and minor voices in 20th and 21st-century Korean poetry. Attention to the practices of reading and translation, and to the political contexts of modern Korean poetry.

Note: Expected to be given in 2008–09. Readings in English and Korean.

Prerequisite: Korean Literature 132 or equivalent.



Graduate Courses of Reading and Research

***Korean 300. Reading and Research**

Catalog Number: 8122

Carter J. Eckert 1178, Sun Joo Kim 3821 (on leave 2006-07), David McCann 3635, and Sang-suk Oh 3856

Manchu: Language Courses

For Undergraduates and Graduates

Manchu A. Elementary Manchu

Catalog Number: 8961

Mark C. Elliott

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Introduction to Manchu grammar with elementary readings in Manchu script.

Manchu B. Elementary Manchu

Catalog Number: 1625

Mark C. Elliott

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Readings in a variety of historical and literary texts with emphasis on Manchu documentary sources, with and without diacritical marks.

Manchu 120a (formerly Manchu C). Intermediate Manchu

Catalog Number: 4190

Mark C. Elliott

Half course (fall term). Hours to be arranged.

Readings in a wide variety of Manchu texts. English to Manchu translation exercises.

Manchu 120b (formerly Manchu D). Advanced Manchu

Catalog Number: 1414

Mark C. Elliott

Half course (spring term). M., 1:30–4:30. EXAM GROUP: 6, 7, 8, 9

Intensive reading in Manchu archival materials, other historical texts and literary texts. Some texts in pre-diacritical form. English to Manchu translation exercises.

Graduate Courses of Reading and Research

***Manchu 300. Reading and Research**

Catalog Number: 8735

Mark C. Elliott 3329

Mongolian: Language Courses

For Undergraduates and Graduates



[Mongolian A. Elementary Written Mongolian]

Catalog Number: 2965

Mark C. Elliott

Half course (fall term). Hours to be arranged.

Study of classical Mongolian grammar, with introduction to pre-classical and classical Mongolian texts.

Note: Expected to be given in 2007–08.

[Mongolian B. Elementary Written Mongolian]

Catalog Number: 8489

Mark C. Elliott

Half course (spring term). Hours to be arranged.

Continuation of Mongolian A.

Note: Expected to be given in 2007–08.

Mongolian 120a (formerly Mongolian C). Intermediate Written Mongolian

Catalog Number: 0810

Mark C. Elliott

Half course (fall term). Hours to be arranged.

Readings in classical and modern Mongolian texts.

Mongolian 120b (formerly Mongolian D). Advanced Written Mongolian

Catalog Number: 4032

Mark C. Elliott

Half course (spring term). Hours to be arranged.

Continuation of Mongolian 120a.

Graduate Courses of Reading and Research

***Mongolian 300. Reading and Research**

Catalog Number: 1345

Mark C. Elliott 3329

Half course (fall term; repeated spring term). Hours to be arranged.

Tibetan and Himalayan Studies

Cross-listed Courses

[Religion 1705. Buddhism in Tibet]

[Tibetan 111. The History and Civilization of Tibet and the Buddhist Himalayas]

[Tibetan 219. Tibetan Religious Literature]

Vietnam: Language Courses

For Undergraduates and Graduates



Vietnamese Ba. Elementary Vietnamese

Catalog Number: 3873

Binh Ngo

Half course (fall term). M. through F., at 9. EXAM GROUP: 2, 11

Surveys the fundamentals of Vietnamese phonetics, grammar, and vocabulary to provide students with basic ability to understand, speak, read, and write Vietnamese. Conversational ability is stressed through an interactive, communication-oriented approach.

Vietnamese Bb. Elementary Vietnamese

Catalog Number: 9940

Binh Ngo

Half course (spring term). M. through Th., at 9; M., at 8.

Continuation of Vietnamese Ba, with introduction of additional Vietnamese texts and advertisements to enhance reading skills.

Prerequisite: Vietnamese Ba or permission of the instructor.

Vietnamese 120a (formerly Vietnamese 101a). Intermediate Vietnamese

Catalog Number: 3276

Binh Ngo

Half course (fall term). M. through F., at 8. EXAM GROUP: 1, 10

Further development of speaking, reading, writing, and aural comprehension. Texts on Vietnamese geography, history, culture, and customs will be used, as well as audiotapes and videos. Students are expected to speak Vietnamese in all class discussions.

Note: Conducted entirely in Vietnamese.

Prerequisite: Vietnamese Bb or permission of the instructor.

Vietnamese 120b (formerly Vietnamese 101b). Intermediate Vietnamese

Catalog Number: 6178

Binh Ngo

Half course (spring term). Tu. through Th., at 8, M., 4–6. EXAM GROUP: 1, 9, 10

Continuation of Vietnamese 120a.

Note: Conducted entirely in Vietnamese.

Prerequisite: Vietnamese 120a or permission of the instructor.

Vietnamese 130a (formerly Vietnamese 103a). Advanced Vietnamese

Catalog Number: 6287

Binh Ngo

Half course (fall term). Tu., Th., 10–11:30; F., at 10. EXAM GROUP: 12, 13

Development of high proficiency in Vietnamese. Introduction of complex grammar and vocabulary, using authentic Vietnamese texts, audiotapes, videos, and translation of English news articles into Vietnamese. Discussions focus on selected short stories and poems.

Note: Conducted entirely in Vietnamese.

Prerequisite: Vietnamese 120b or permission of the instructor.

Vietnamese 130b (formerly Vietnamese 103b). Advanced Vietnamese

Catalog Number: 3968



Binh Ngo

Half course (spring term). M., W., at 10; M., W., at 11.

Continuation of Vietnamese 130a.

Note: Conducted entirely in Vietnamese.

Prerequisite: Vietnamese 130a or permission of the instructor.

Vietnam: History Courses

Cross-listed Courses

[Anthropology 2880 (formerly Anthropology 238). Reorienting Southeast Asia]

[Foreign Cultures 60. Individual, Community, and Nation in Vietnam]

[Historical Study B-68. America and Vietnam: 1945-1975](#)

[History 1821. Modern Vietnam](#)

Graduate Courses of Reading and Research

***Vietnamese 300. Reading and Research**

Catalog Number: 7211

Binh Ngo 1383

Half course (fall term; repeated spring term). Spring: Th., at 10.

Economics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Economics

James H. Stock, Professor of Economics (*Chair*)

Philippe Aghion, Robert C. Waggoner Professor of Economics (*on leave spring term*)

Alberto F. Alesina, Nathaniel Ropes Professor of Political Economy (*on leave 2006-07*)

Attila Ambrus, Assistant Professor of Economics (*on leave 2006-07*)

Pol Antràs, Assistant Professor of Economics (*on leave 2006-07*)

Silvia Ardagna, Assistant Professor of Economics (*on leave 2006-07*)

Beatriz Armendariz, Lecturer on Economics (*on leave fall term*)

Susan Athey, Professor of Economics

Robert J. Barro, Paul M. Warburg Professor of Economics

Efraim Benmelech, Assistant Professor of Economics

John Y. Campbell, Harvard College Professor and Morton L. and Carole S. Olshan Professor of Economics



Gary Chamberlain, Louis Berkman Professor of Economics
 Yu-chin Chen, Visiting Assistant Professor of Economics (*University of Washington*)
 Richard N. Cooper, Maurits C. Boas Professor of International Economics
 David M. Cutler, Otto Eckstein Professor of Applied Economics and Dean for the Social Sciences
 Ulrich Doraszelski, Assistant Professor of Economics (*on leave 2006-07*)
 Emmanuel Farhi, Assistant Professor of Economics
 Martin Feldstein, George F. Baker Professor of Economics
 Erica M. Field, Assistant Professor of Economics (*on leave 2006-07*)
 Christopher L. Foote, Lecturer on Economics
 Richard B. Freeman, Herbert S. Ascherman Professor of Economics
 Benjamin M. Friedman, William Joseph Maier Professor of Political Economy (*Director of Undergraduate Studies*)
 Roland G. Fryer, Assistant Professor of Economics
 Nicola C. Fuchs-Schündeln, Assistant Professor of Economics
 Drew Fudenberg, Frederic E. Abbe Professor of Economics
 Paola Giuliano, Visiting Lecturer on Economics, Associate of the Department of Economics (*International Monetary Fund*)
 Edward L. Glaeser, Fred and Eleanor Glimp Professor of Economics
 Claudia Goldin, Henry Lee Professor of Economics
 Gita Gopinath, Assistant Professor of Economics
 Jerry R. Green, John Leverett Professor and David A. Wells Professor of Political Economy (*on leave spring term*)
 Oliver S. Hart, Andrew E. Furer Professor of Economics (*on leave 2006-07*)
 Elhanan Helpman, Galen L. Stone Professor of International Trade
 Kenneth Hendricks, Visiting Professor of Economics (*University of Texas, Austin*)
 Caroline M. Hoxby, Harvard College Professor and Allie S. Freed Professor of Economics (*on leave 2006-07*)
 Rustam Ibragimov, Assistant Professor of Economics
 Guido W. Imbens, Professor of Economics (*on leave spring term*)
 Dale W. Jorgenson, Samuel W. Morris University Professor
 Lawrence F. Katz, Elisabeth Allison Professor of Economics
 Elena Krasnokutskaya, Visiting Professor of Economics (*University of Pennsylvania*)
 Michael R. Kremer, Gates Professor of Developing Societies
 David I. Laibson, Professor of Economics (*on leave fall term*)
 N. Gregory Mankiw, Robert M. Beren Professor of Economics
 Stephen A. Marglin, Walter S. Barker Professor of Economics (*on leave fall term*)
 James L. Medoff, Meyer Kestenbaum Professor of Labor and Industry
 Jeffrey A. Miron, Senior Lecturer on Economics
 Markus M. Möbius, Associate Professor of Economics
 Marcelo J. Moreira, Associate Professor of Economics
 Julie H. Mortimer, Associate Professor of Economics
 Sendhil Mullainathan, Professor of Economics
 Ariel Pakes, Steven McArthur Heller Professor of Economics
 Andrew W. Postlewaite, Visiting Professor of Economics (*University of Pennsylvania*) (*spring term only*)



Geert Ridder, Visiting Professor of Economics (*University of Southern California*)
 Roberto I. Rigobon, Visiting Associate Professor of Economics (*Massachusetts Institute of Technology*)
 Kenneth Rogoff, Thomas D. Cabot Professor of Public Policy (*on leave 2006-07*)
 Alvin E. Roth, George Gund Professor of Economics (*FAS*) and George Gund Professor of Economics and Business Administration (*Business School*)
 Matthias Schündeln, Assistant Professor of Economics and of Social Studies
 Amartya Sen, Lamont University Professor (*on leave spring term*)
 Andrei Shleifer, Professor of Economics
 Kenneth Sokoloff, Visiting Professor of Economics (*University of California, Los Angeles*) (*spring term only*)
 Jeremy C. Stein, Moise Y. Safra Professor of Economics
 Lawrence H. Summers, Charles W. Eliot University Professor (*on leave 2006-07*)
 Aleh Tsyvinski, Assistant Professor of Economics
 Martin L. Weitzman, Professor of Economics (*on leave spring term*)
 Jeffrey G. Williamson, Laird Bell Professor of Economics (*on leave spring term*)
 Andrea Wilson, Assistant Professor of Economics

Other Faculty Offering Instruction in the Department of Economics

Christopher N. Avery, Roy E. Larsen Professor of Public Policy and Management (*Kennedy School*) (*on leave spring term*)
 George P. Baker, Class of 1966 Professor of Business Administration (*Business School*) (*on leave 2007-08*)
 Lucian A. Bebchuk, William J. Friedman and Alicia Townsend Friedman Professor of Law, Economics, and Finance (*Law School*)
 David Canning, Professor of Economics and International Health (*Public Health*)
 Richard E. Caves, Nathaniel Ropes Professor of Political Economy, Emeritus
 Peter A. Coles, Assistant Professor of Business Administration (*Business School*)
 Mihir A. Desai, Associate Professor of Business Administration (*Business School*)
 Richard G. Frank, Margaret T. Morris Professor of Health Economics (*Medical School*)
 Jeffrey A. Frankel, James W. Harpel Professor of Capital Formation and Growth (*Kennedy School*)
 Robert T. Jensen, Associate Professor of Public Policy (*Kennedy School*)
 Christine M. Jolls, Professor of Law (*Law School*)
 Louis E. Kaplow, Professor of Law (*Law School*)
 Jerold Kayden, Frank Backus Williams Professor of Urban Planning and Design (*Design School*)
 Asim I. Khwaja, Assistant Professor of Public Policy (*Kennedy School*)
 Joshua Lerner, Jacob H. Schiff Professor of Investment Banking (*Business School*)
 Jeffrey B. Liebman, Professor of Public Policy (*Kennedy School*)
 Robert C. Merton, George Fisher Baker Professor of Administration (*Business School*)
 Nolan H. Miller, Associate Professor of Public Policy (*Kennedy School*)
 Joseph P. Newhouse, John D. MacArthur Professor of Health Policy and Management (*Kennedy School, Medical School, Public Health*)
 Dwight H. Perkins, Harold Hitchings Burbank Research Professor of Political Economy, Emeritus



James Robinson, Professor of Government
Dani Rodrik, Rafiq Hariri Professor of International Political Economy (*Kennedy School*)
David S. Scharfstein, Edmund Cogswell Converse Professor of Finance and Banking (*Business School*)
Robert N. Stavins, Albert Pratt Professor of Business and Government (*Kennedy School*)
Richard Tuck, Frank G. Thomson Professor of Government
Roberto Mangabeira Unger, Roscoe Pound Professor of Law (*Law School*)
Andres Velasco, Sumitomo Fasid Professor of International Development (*Kennedy School*)
Paul C. Weiler, Henry J. Friendly Professor of Law (*Law School*)

Department of Economics course listings are numerically ordered as follows:

900-999: Tutorials, Junior Seminars, and Senior Thesis Seminars in Economics

1000-1099 and 2000-2099: General Economics; Economic Theory; History of Economics

1100-1199 and 2100-2199: Econometrics and Quantitative Methods

1300-1399 and 2300-2399: Economic History; Development Economics

1400-1499 and 2400-2499: Monetary and Fiscal Theory and Policy; Public Sector Economics

1500-1599 and 2500-2599: International Economics

1600-1699 and 2600-2699: Industrial Organization and Regulation; Environmental Economics

1700-1799 and 2700-2799: Financial Economics

1800-1899 and 2800-2899: Labor, Human Resources, and Income Distribution; Urban Economics

2000-2999: Open to honors undergraduates with the permission of the instructor

3000-3999: Graduate Courses of Reading and Research

Social Analysis 10: Principles of Economics, which is listed under the Core Curriculum, is the full-year introductory course in Economics. Social Analysis 10 is designed both for potential concentrators and for those who intend no further work in the field. The Department of Economics strongly encourages students considering concentration to take this course in their freshman year. This is a required course for all economics concentrators and a prerequisite for higher level courses in economics.

Tutorials, Junior Seminars, and Senior Thesis Seminars in Economics

Primarily for Undergraduates



***Economics 910r. Supervised Reading and Research**

Catalog Number: 1020

Benjamin M. Friedman

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading leading to a long term paper on a topic or topics not covered by regular courses.

Note: Does not count for concentration credit and may not be taken Pass/Fail. Requires signatures of the adviser and of the Director of Undergraduate Studies. Application available at the Economics Undergraduate Office at Littauer Center, North Yard.

***Economics 970. Tutorial — Sophomore Year**

Catalog Number: 7923

Jeffrey A. Miron

Half course (spring term). Hours to be arranged.

A series of small seminars focusing on applications of economic theory to real problems.

Note: One term required of all Economics concentrators. Enrollment limited to concentrators.

Prerequisite: Both terms of Social Analysis 10 (or equivalent); Statistics 100, 104, or 110; Economics 1010a or 1011a and current enrollment in Economics 1010b or 1011b.

***Economics 975 (formerly *Economics 980). Tutorial — Theory Review**

Catalog Number: 3281

Benjamin M. Friedman

Half course (fall term). Tu., Th., 1–2:30.

A thorough review of intermediate microeconomics and macroeconomics.

Note: Required of and limited to concentrators who received below a B-/C+ average in the Economics 1010/1011 sequence.

Economics 980 Junior Seminars

Junior seminars are designed to introduce students to research in a particular area of economics and to prepare students to undertake their own research project. All junior seminars require a major research paper. The seminar prerequisites are intermediate microeconomic and macroeconomic theory, statistics, and concurrent enrollment in econometrics; any additional prerequisites are listed with the individual seminar. These seminars are limited to 16 participants with preference given to Economics and Applied Math/Economics concentrators in their junior year. Enrollment in these seminars is determined by a lottery based on student preferences. Other Economics concentrators and undergraduate non-concentrators with the appropriate prerequisites may enroll in junior seminars on a space-available basis.

***Economics 980a. Political Economics - (New Course)**

Catalog Number: 2341

Andrei Shleifer

Half course (spring term). Tu., 2:30–4:30. EXAM GROUP: 16, 17, 18

Discusses several research areas in political economy, including the origins of the state, comparative political systems, theories of economic reform, fiscal problems in democracies, rule of law, privatization, and regulation.



***Economics 980b. Women, Work, and the Family: Present and Past - (New Course)**

Catalog Number: 1581

Claudia Goldin

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

The economic emergence of women has been the single most important change to the labor forces of many nations in the past century. Why and how did these changes occur and what have been their social, political, and demographic implications? Was there a revolution in gender roles and, if so, is it continuing or stalled? Readings draw on current economic theory, empirical analyses, and historical works and literature from the 19th century to the present.

***Economics 980c. The Economics of World Migration - (New Course)**

Catalog Number: 6200

Jeffrey G. Williamson

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

This seminar will explore every economic dimension of world mass migration: north to north, south to south, and south to north. The seminar will explore the labor market and fiscal impact in immigrating countries, immigrant assimilation, the trade-immigration trade-off, the global capital-immigration connection, emigration determinants, emigrant selectivity, brain drain, remittances, and the political economy of immigration.

***Economics 980e. Corporate Governance - (New Course)**

Catalog Number: 0331

Efraim Benmelech

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

This seminar investigates the different approaches to optimal governance structures of firms. We will survey current research on agency problems, the market for corporate control, executive compensation, corporate boards and tunneling.

Prerequisite: Economics 1745 is recommended but not required.

***Economics 980f. Economics of Social Problems - (New Course)**

Catalog Number: 7655

Lawrence F. Katz

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

This course applies the tools of economics to understand key US social problems and to evaluate alternative market and government policies to address them. Issues to be studied include poverty and inequality; economics of the family; crime; neighborhood effects; low-wage labor markets; immigration; discrimination; homelessness; charitable behavior and welfare reform and other antipoverty strategies.

***Economics 980g. Topics in Economic Development - (New Course)**

Catalog Number: 3368

Michael R. Kremer and Matthias Schündeln

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Recent research on economic development. Social service delivery in health and education. Industrial sector. Goal is to enable students to identify research topics in economic development, learn how to define and analyze a problem. Emphasis on modeling and econometric techniques.



Topics include returns to human capital, incentives on education, school choice, health service contracting, R&D. Firm related: business environment and firm responses, industry dynamics, effect of trade, FDI on productivity, wages.

***Economics 980h. The Industrial Organization of Health Care - (New Course)**

Catalog Number: 9901

Richard G. Frank (Medical School)

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

The seminar will apply economic theory and review empirical analyses of markets in health care. Four specific areas will be examined: 1) physician behavior and markets for physician services; 2) the role of non-profit hospitals; 3) price competition in the prescription drug market; and 4) markets for health insurance.

***Economics 980i. Applied Econometrics - (New Course)**

Catalog Number: 9226

Marcelo J. Moreira

Half course (spring term). M., 4–6. EXAM GROUP: 9

This course discusses statistical tools and econometric models with a focus on economic applications. Topics include panel data and time series models, forecasting, identification, measurement error, sample selection, and randomized experiments. Participants will explore problems that arise in econometric modeling and will discuss how to resolve them. The goal is to develop the ability to critically examine the economic and statistical analyses in newspaper articles and academic papers.

Prerequisite: Economics 1123 or Economics 1126.

Economics 985 Senior Thesis Seminars

These seminars are limited to seniors writing senior honor theses. Each seminar focuses on the research topics of interest to the participants. Emphasis is placed on research design, methodological problems, literature review, and sources of data. Regular student presentations of work in progress are required. An Economics 985 seminar taken in the senior year substitutes for Economics 990, and seniors will not be allowed to enroll concurrently in both courses. All 985 seminars are limited to 16 students.

***Economics 985a. Research in Microeconomics**

Catalog Number: 7166

Drew Fudenberg (fall term) and Andrea Wilson (spring term)

Full course. W., 2:30–4:30.

Workshop for seniors writing theses in theoretical and applied microeconomics. Emphasis on choice of research topics, methodology, and data sources. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required.

***Economics 985c. Research in Labor Economics**

Catalog Number: 5409

Lawrence F. Katz



Full course. M., 3–5. EXAM GROUP: 8, 9

Workshop for seniors writing theses in labor economics and related topics. Emphasis on choice of research topics, methodology, and data sources. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required.

***Economics 985d. Research in Economic Development**

Catalog Number: 4989

David Canning (Public Health)

Full course. Tu., 4:30–6:30.

Workshop for seniors writing theses in the areas of economic history and economic development, including health and population issues. Emphasis on choice of research topics, methodologies, and data sources. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required.

***Economics 985e. Research in Macroeconomics**

Catalog Number: 3740

Christopher L. Foote

Full course. Tu., 4–6.

Workshop for seniors writing theses in the fields of monetary and fiscal policy, business cycles, and economic growth. Emphasis on choice of research topics, methodology, and data sources. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required.

***Economics 985f. Research in International Trade and Finance**

Catalog Number: 7157

Richard N. Cooper

Full course. M., 3–5:30.

Workshop for seniors writing theses in international trade and finance. Emphasis on choice of research topics, methodology, and data sources. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required.

***Economics 985g. Research in Behavioral and Experimental Economics - (New Course)**

Catalog Number: 2566

Sendhil Mullainathan

Full course. W., 6–8 p.m. EXAM GROUP: 9

Workshop for seniors writing theses in behavioral and experimental economics. Emphasis on choice of research topics, methodology, and data sources. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required.

***Economics 985h. Research in Financial Markets**

Catalog Number: 0350

John Y. Campbell

Full course. Th., 4–6. EXAM GROUP: 18



Workshop for seniors writing theses in finance. Emphasis on choice of research topics, methodology, and data sources. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honor thesis are required. Topics include asset pricing and corporate finance.

***Economics 985k. Research in Public Economics**

Catalog Number: 0871

David M. Cutler

Full course. Th., 3–5. EXAM GROUP: 17, 18

Workshop for seniors writing theses in public economics. Emphasis on choice of research topics, methodology, and data sources. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required. Topics have included taxation, health economics, environmental and resource economics, and education.

***Economics 990. Tutorial — Senior Year**

Catalog Number: 7342

Benjamin M. Friedman and members of the Department

Full course. Hours to be arranged.

Note: Students who are writing a senior thesis out of sequence (i.e., beginning in the spring) must enroll in Economics 990 in the spring and complete the course in the fall. Students must write a 25-page paper at the end of the first term of Economics 990. Students currently enrolled in Economics 985 may not enroll in Economics 990.

General Economics; Economic Theory; History of Economics

For Undergraduates and Graduates

Economics 1010a. Microeconomic Theory

Catalog Number: 1862

Jeffrey A. Miron

Half course (fall term). M., W., F., at 10; and a one-hour weekly section to be arranged. EXAM GROUP: 3

Focuses on the optimizing behavior of individual consumers and firms and the coordination of these individual decisions through markets, including the evaluation of market outcomes. Topics include: theory of the consumer, theory of the firm, decisions involving time and risk, perfect competition, monopoly and monopsony, oligopoly and game theory, markets with asymmetric information, and externalities and public goods.

Note: Economics 1010a fulfills the intermediate microeconomic theory requirement for economics concentrators. Students may take either Economics 1010a or Economics 1011a for credit. This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.

Prerequisite: Social Analysis 10 and Mathematics 1a or their equivalents.

Economics 1010b. Macroeconomic Theory

Catalog Number: 2924

Paola Giuliano (International Monetary Fund)



Half course (spring term). Tu., Th., 10–11:30 and a one-hour weekly section to be arranged.

EXAM GROUP: 12, 13

Theories and evidence on economic growth and fluctuations. Determination of gross domestic product, investment, consumption, employment, and unemployment. Analysis of interest rates, wage rates, and inflation. Roles of fiscal and monetary policies. Extensions to the international economy.

Note: Economics 1010b fulfills the intermediate macroeconomic theory requirement for economics concentrators. Students may take either Economics 1010b or Economics 1011b for credit. This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.

Prerequisite: Social Analysis 10. While no specific mathematics course is required, knowledge of calculus at the level of Mathematics 1a is assumed.

Economics 1011a. Microeconomic Theory

Catalog Number: 7230

Edward L. Glaeser

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Economics 1011a is similar to Economics 1010a, but uses more mathematics and covers more material. The course aims to teach the basic tools of economics and to apply them to a wide range of human behavior. Tools include consumer theory, optimization under uncertainty, game theory, welfare economics, incentive theory, and the economics of information. Topics include industrial organization, public finance, law and economics, the economics of the family, religion, and riots.

Note: Economics 1011a fulfills the intermediate microeconomic theory requirement for economics concentrators. Students may take either Economics 1010a or Economics 1011a for credit. This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.

Prerequisite: Mathematics 21a or permission of the instructor.

Economics 1011b. Macroeconomic Theory

Catalog Number: 6993

Aleh Tsyvinski

Half course (spring term). Tu., Th., 10-11:30, and a one-hour weekly section to be arranged.

EXAM GROUP: 12, 13

The same topics as in 1010b, but with a more mathematical approach.

Note: Economics 1011b fulfills the intermediate macroeconomic theory requirement for economics concentrators. Students may take either Economics 1010b or Economics 1011b for credit. This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.

Prerequisite: Social Analysis 10. While no specific mathematics course is required, Mathematics 20 or 21 is recommended.

Economics 1017. A Libertarian Perspective on Economic and Social Policy

Catalog Number: 1197

Jeffrey A. Miron

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13



Analyses the libertarian perspective on economic and social policy. This perspective differs from both liberal and conservative views, arguing for minimal government in most arenas. Specific policies addressed include drug prohibition, gun control, public education, abortion rights, gay marriage, income redistribution, and campaign finance regulation.

Prerequisite: Social Analysis 10.

Economics 1018. Cultural Economics - (New Course)

Catalog Number: 1775

Paola Giuliano (International Monetary Fund)

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Explores the importance of culture on economic outcomes, focusing on how heterogeneity of preferences affects economic choices and where those differences come from. Theoretical topics include group identity, social interactions and networks, evolutionary selection, the importance of the family. Empirical applications include international investment, savings, occupational choices, ethical norms, economic development, fertility decisions.

Prerequisite: Economics 1010a or 1011a, and Economics 1123.

[Economics 1025. Theory of Capital and Income]

Catalog Number: 0121

Martin L. Weitzman

Half course (fall term). Hours to be arranged.

Mathematically advanced. Applies the maximum principle of optimal control theory to analyze a wide variety of dynamic economic models. Emphasizes basic principles and fundamental unity of all problems involving capital, investment, and time—including harvesting of renewable resources, extraction of non-renewable resources, analysis of dynamic environmental externalities, optimal growth, equilibrium of competitive stock markets, and the economic theory of the connection between income, accounting, sustainability, and share valuation.

Note: Expected to be given in 2007–08.

Prerequisite: Economics 1011a and Mathematics 20.

Economics 1030. Psychology and Economics

Catalog Number: 4709 Enrollment: Limited to 80.

David I. Laibson and Andrei Shleifer

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Integrates psychological and economic analysis of behavior. Psychological topics include social preferences, impulsivity, bounded rationality, loss-aversion, over-confidence, self-serving biases, hedonics, and neuroscience. Discusses how psychological experiments have been used to learn about preferences, cognition, behavior. Economic topics include arbitrage, equilibrium, rational choice, utility maximization, Bayesian beliefs, game theory. Integrates these psychological and economic concepts to understand behavioral phenomena such as credit card borrowing, portfolio choice, retirement saving, procrastination, addiction, asset pricing, auction bidding, labor supply, cooperation, persuasion.

Prerequisite: Social Analysis 10 and knowledge of univariate calculus.

Economics 1035. Policy Applications of Psychology and Economics

Catalog Number: 1687 Enrollment: Limited to 30.



Sendhil Mullainathan

Half course (fall term). M., 2:30–5. EXAM GROUP: 7, 8, 9

Integrates psychological with economic approaches to traditional public policy issues.

International applications include public health, epidemics such as AIDS, fertility, education and psychological impacts of poverty. Domestic applications include discrimination and affirmative action, drugs, crime and unemployment.

Prerequisite: Economics 1010a or 1011a.

[Economics 1051. Game Theory in Economics]

Catalog Number: 3692

Attila Ambrus

Half course (spring term). Hours to be arranged.

The course will provide participants with an introduction to the modern game theory, focusing on its use in economics. Main ideas of game theory are introduced and illustrated using examples from industrial organization, labor economics, and macroeconomics.

Note: Expected to be given in 2007–08.

Prerequisite: Economics 1010a or 1011a

Economics 1052. Introduction to Game Theory

Catalog Number: 2634

Markus M. Möbius

Half course (spring term). Tu., Th., 10–11:30, and a one-hour weekly section to be arranged.

EXAM GROUP: 12, 13

An introduction to game theory and its applications to economics at a high level of rigor. Topics include extensive form and strategic form games, Nash equilibrium and Nash's existence theorem, subgame-perfect equilibrium, Bayesian equilibrium, and applications to repeated games, auctions, and bargaining.

Prerequisite: Economics 1011a and Mathematics 21a, or equivalent.

Primarily for Graduates

Economics 2001. The Behavioral & Experimental Economics Workshop

Catalog Number: 8732

Alvin E. Roth (FAS, Business School), Edward L. Glaeser, and David I. Laibson

Full course (indivisible). Tu., 2:30–4. EXAM GROUP: 16, 17

Presents current research in the Behavioral and Experimental Economics field.

***Economics 2010a. Economic Theory**

Catalog Number: 8656

Edward L. Glaeser and Andrea Wilson

Half course (fall term). Tu., Th., 10–11:30, and a 1.5-hour weekly section to be arranged. EXAM GROUP: 12, 13

Covers the theory of individual and group behavior. Topics include consumer theory, producer theory, behavior under uncertainty, externalities, monopolistic distortions, game theory, oligopolistic behavior, and asymmetric information.



Note: Enrollment is limited to students in the economics and business economics PhD programs.

Prerequisite: Mathematics 116 or equivalent; can be taken concurrently.

Economics 2010b. Economic Theory

Catalog Number: 8659

Jerry R. Green and Andrew W. Postlewaite (University of Pennsylvania)

Half course (spring term). Tu., Th., 10–11:30, and a 1.5-hour weekly section to be arranged.

EXAM GROUP: 12, 13

Topics include social choice theory, signaling, mechanism design, general equilibrium, the core, externalities, and public goods.

Prerequisite: Economics 2010a.

Economics 2010c (formerly Economics 2010d). Economic Theory

Catalog Number: 4431

David I. Laibson and Robert J. Barro

Half course (fall term). Tu., Th., 1–2:30, and a 1.5-hour weekly section to be arranged. EXAM

GROUP: 15, 16

Topics include discrete-time and continuous-time dynamic programming, consumption, investment, economic growth, and business cycles.

Note: Enrollment is strictly limited to PhD students in the Economics Department, Business Economics program, and PEG program. Qualified Harvard undergraduates may also enroll. No other students may take the course for credit or as auditors.

Economics 2010d (formerly Economics 2010c). Economic Theory

Catalog Number: 2041

Benjamin M. Friedman, N. Gregory Mankiw, and Roberto I. Rigobon (Massachusetts Institute of Technology)

Half course (spring term). M., W., 8:30–10. EXAM GROUP: 1, 2

A basic course in graduate macroeconomics, including models of business fluctuations, theories of consumption, investment and money demand, analyses of monetary and fiscal policy, and introduction to open economy macroeconomic issues.

Note: Enrollment is strictly limited to PhD students in the Economics Department, Business Economics program, and PEG program. Qualified Harvard undergraduates may also enroll. No other students may take the course for credit or as auditors. First meeting is on 2/2.

Prerequisite: Mathematics 116 or the equivalent; can be taken concurrently.

***Economics 2020a. Microeconomic Theory I**

Catalog Number: 0339 Enrollment: Limited to 102.

Christopher N. Avery (Kennedy School) and Nolan H. Miller (Kennedy School)

Half course (fall term). M., W., 8:30–10, and a one-hour weekly section to be arranged. EXAM GROUP: 1, 2

A comprehensive course in economic theory designed for doctoral students in all parts of the university. Consumption, production, uncertainty, markets, general equilibrium. Applications to policy analysis and business decisions. Emphasizes the use of economic theory in practical research.

Note: Offered jointly with the Kennedy School as API-111 and the Business School as 4010.



Prerequisite: Two years of calculus and one course in probability theory. Thorough background in microeconomic theory at the intermediate level. Undergraduates with the appropriate background are welcome.

***Economics 2020b. Microeconomic Theory II**

Catalog Number: 4058

Christopher N. Avery (Kennedy School) and Nolan H. Miller (Kennedy School)

Half course (spring term). M., W., 8:30–10, and a one-hour weekly section to be arranged.

EXAM GROUP: 1, 2

A continuation of Economics 2020a. Topics include game theory, economics of information, incentive theory, and welfare economics.

Note: Offered jointly with the Kennedy School as API-112 and the Business School as 4011.

Prerequisite: Economics 2010a or 2020a.

[Economics 2030. Psychology and Economics]

Catalog Number: 3828

Sendhil Mullainathan

Half course (fall term). Hours to be arranged.

Explores economic and psychological models of human behavior. Theoretical topics include bounded rationality, intertemporal choice, decision making under uncertainty, inference, choice heuristics, and social preferences. Economic applications include asset pricing, corporate finance, macroeconomics, labor, development, and industrial organization.

Note: Expected to be given in 2007–08. Primarily for graduate students but open to undergraduates.

Prerequisite: Knowledge of multivariable calculus and econometrics.

Economics 2040. Experimental Economics

Catalog Number: 8485 Enrollment: Limited to 48.

Alvin E. Roth (FAS, Business School)

Half course (fall term). F., 9–12. EXAM GROUP: 2, 3, 4

An introduction to experimental economics, and some of the major subject areas that have been addressed by laboratory experiments. We concentrate on series of experiments, to see how experiments build on one another.

Note: Open to undergraduates with permission of the instructor. Offered jointly with the Business School as 4160.

Economics 2052. Game Theory I: Equilibrium Theory

Catalog Number: 3690

Drew Fudenberg

Half course (spring term). M., 4–7 pm. EXAM GROUP: 9

Equilibrium analysis and its applications. Topics vary, but typically include equilibrium refinements (sequential equilibrium), the equilibria of various classes of games (repeated games, auctions, signaling games) and the definition and application of common knowledge.

Prerequisite: Economics 2010a or permission of the instructor.



[Economics 2053. Game Theory II: Topics in Game Theory]

Catalog Number: 1898

Attila Ambrus

Half course (fall term). Hours to be arranged.

Aimed at students planning to do research in game theory. Topics vary from year to year; examples include evolutionary game theory, models of learning and imitation, epistemological models, coalitional agreements, and the foundations of games of incomplete information.

Note: Expected to be given in 2007–08.

[Economics 2054. Social Choice and Welfare Economics]

Catalog Number: 1118

Amartya Sen

Half course (fall term). Hours to be arranged.

A basic course in social choice theory and its philosophical foundations. An examination of “impossibility” results, collective rationality, domain restrictions, interpersonal comparability, and the role of rights and liberties.

Note: Expected to be given in 2007–08.

Economics 2056. Market Design

Catalog Number: 3634

Alvin E. Roth (FAS, Business School) and Peter A. Coles (Business School)

Half course (spring term). F., 9–12. EXAM GROUP: 2, 3, 4

Deals with the theory and practice of market design, with prominent examples drawn from auctions, labor markets, school choice, and kidney exchange.

Note: Open to undergraduates with permission of the instructors. Offered jointly with the Business School as 4150.

Prerequisite: Game theory.

[Economics 2057. Rational Choice]

Catalog Number: 3755

Amartya Sen and Christine M. Jolls (Law School)

Half course (fall term). Hours to be arranged.

Rationality is a central idea in economics, law, politics and moral and political philosophy. This course will provide a critical examination of the different ways of characterizing rationality and its requirements.

Note: Expected to be given in 2007–08. Open to graduate students in Economics, Philosophy, Government and Law. Offered jointly with the Law School as 45510-11.

Economics 2058. Networks and Social Capital

Catalog Number: 2872

Markus M. Möbius

Half course (spring term). Tu., 4–7 p.m. EXAM GROUP: 18

Provides a rigorous theoretical introduction into network models. Discusses the emerging empirical literature on economic and social networks. Topics include the role of networks in technological progress, buyer-supplier networks, and social capital.



[Economics 2059. Decision Theory](#)

Catalog Number: 3825

Andrea Wilson

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

First half focuses on classical models of choice theory, formalizing the notion of rationality and exploring its behavioral implications. The second half focuses on recent research, incorporating insights from psychology and allowing for boundedly-rational agents.

[Economics 2060. Contract Theory](#)

Catalog Number: 1404

Philippe Aghion

Half course (fall term). M., W., 4–5:30. EXAM GROUP: 9

Recent developments in contract theory. Includes hidden action and hidden information models, dynamic agency issues, incomplete contracts, and applications of contract theory to theories of the firm and corporate financial structure.

[Economics 2070. Economics of Information - \(New Course\)](#)

Catalog Number: 5647

Jerry R. Green

Half course (fall term). Tu., 6–9 pm. EXAM GROUP: 18

A research seminar for students considering work in economic theory. Topics include: voting theory; cooperative game theory (complete and incomplete information); models of quasi-rational behavior (reason-based choice, random choice models, complexity); general equilibrium with adverse selection.

Note: Offered jointly with the Business School as 4165.

[Economics 2080. Economics and Politics: The Foundations of Economics in Political Theory]

Catalog Number: 6576

Benjamin M. Friedman and Richard Tuck

Half course (fall term). Hours to be arranged.

Offers graduate students in relevant disciplines the chance to study the historical origins of central ideas in modern economics and to discuss their philosophical character.

Note: Expected to be given in 2007–08.

Prerequisite: A basic knowledge of economics is assumed.

[Economics 2086. The Theory Workshop](#)

Catalog Number: 6378

Jerry R. Green and members of the Department

Half course (fall term; repeated spring term). Th., 4–6. EXAM GROUP: 18

For students with an interest in economic theory. Faculty presentations by Harvard and MIT economists and invited guests. The location alternates between Harvard and MIT.

Econometrics and Quantitative Methods

For Undergraduates and Graduates



Economics 1123. Introduction to Econometrics

Catalog Number: 0813

James H. Stock (fall term) and Rustam Ibragimov (spring term)

Half course (fall term; repeated spring term). Fall: Tu., Th., 11:30–1; Spring: Tu., Th., 1–2:30; and a one-hour weekly section to be arranged. EXAM GROUP: Fall: 13, 14; Spring: 15, 16

An introduction to multiple regression techniques with focus on economic applications.

Discusses extensions to discrete response, panel data, and time series models, as well as issues such as omitted variables, missing data, sample selection, randomized and quasi-experiments, and instrumental variables. Aims to provide students with an understanding of and ability to apply econometric and statistical methods using computer packages.

Note: Students may take either Economics 1123 or Statistics 139 for credit. Statistics 139 will not count as econometrics requirement. Also, Economics 1123 may not be taken for credit if taken after Economics 1126, but credit will be given for both courses if Economics 1123 is taken first.

Prerequisite: Statistics 100.

Economics 1126. Quantitative Methods in Economics

Catalog Number: 4076

Gary Chamberlain

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Topics include elements of statistical decision theory and related experimental evidence; some game theory and related experimental evidence; maximum likelihood; logit, normal, probit, and ordered probit regression models; panel data models with random effects; omitted variable bias and random assignment; incidental parameters and conditional likelihood; demand and supply.

Note: Economics 1123 may not be taken for credit if taken after Economics 1126, but credit will be given for both courses if Economics 1123 is taken first.

Prerequisite: Statistics 100 or preferably 110; Mathematics 20.

Cross-listed Courses

Statistics 100. Introduction to Quantitative Methods

Statistics 104. Introduction to Quantitative Methods

Statistics 110. Introduction to Probability

Primarily for Graduates

Economics 2110. Introductory Probability and Statistics for Economists

Catalog Number: 7213

Geert Ridder (University of Southern California)

Half course (fall term). Tu., Th., 8:30–10 and a 1.5-hour weekly section to be arranged. EXAM GROUP: 10, 11

Introduction to probability and statistics. Emphasis on general methods applicable to both econometrics and economic theory. Topics include probability spaces, random variables, limit laws, estimation, hypothesis testing, and Bayesian methods.

Prerequisite: Statistics (Stat 100), Linear Algebra and Calculus (Math 21a and 21b), and Real Analysis (Math 112).



[Economics 2120. Introduction to Applied Econometrics](#)

Catalog Number: 2352

Dale W. Jorgenson (fall term) and Gary Chamberlain (spring term)

Half course (fall term; repeated spring term). Fall: Tu., Th., 2:30–4 Spring: Tu., Th., 2:30–4.

EXAM GROUP: 16, 17

Introduction to methods employed in applied econometrics, including linear regression, instrumental variables, panel data techniques, generalized method of moments, and maximum likelihood. Includes detailed discussion of papers in applied econometrics and computer exercises using standard econometric packages.

Note: Enrollment limited to PhD candidates in economics, business economics, health policy, public policy, and political economy and government (PEG).

Prerequisite: Economics 2110 or equivalent.

[Economics 2130. Applied Econometrics](#)

Catalog Number: 2211

Dale W. Jorgenson

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Advanced methods in applied econometrics, including nonlinear regression, discrete and limited dependent variables, models of selection, and stationary and non-stationary time series. Includes detailed discussion of empirical applications.

Note: Students complete a short research project in applied econometrics.

Prerequisite: Economics 2120 or equivalent.

[Economics 2140. Econometric Methods](#)

Catalog Number: 7210

Guido W. Imbens

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Econometric methods for cross-section and panel data. Topics include generalized method of moments, empirical likelihood, instrumental variables, bootstrapping, clustering, treatment effects, selection bias, difference-in-differences, qualitative choice, quantile regression, nonparametric methods, and semiparametric methods.

Prerequisite: Economics 2120 or equivalent.

[Economics 2141. Advanced Topics in Microeconometrics]

Catalog Number: 9305

Marcelo J. Moreira

Half course (spring term). Hours to be arranged.

Topics include first-order asymptotics and GMM, second-order asymptotics, bias correction, bootstrap, censoring, panel data models with fixed effects, simultaneous equations model, weak instruments, and average treatment effects.

Note: Expected to be given in 2007–08.

[Economics 2142. Time Series Analysis](#)

Catalog Number: 4414

Rustam Ibragimov and James H. Stock

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11



A survey of modern time series econometrics. Topics include univariate models, vector autoregressions, linear and nonlinear filtering, frequency domain methods, unit roots, structural breaks, empirical process theory asymptotics, forecasting, and applications to macroeconomics and finance.

[Economics 2144. Advanced Applied Econometrics]

Catalog Number: 7686

Ariel Pakes

Half course (spring term). Hours to be arranged.

An introduction to the theory and application of recently developed econometric techniques used in advanced applied work. Simulation techniques, estimation subject to inequality restrictions, as well as semiparametric and nonparametric tools will be studied in a variety of empirical contexts.

Note: Expected to be given in 2007–08.

[Economics 2146. Topics in Financial Econometrics]

Catalog Number: 8715

Rustam Ibragimov

Half course (spring term). Hours to be arranged.

A discussion of modern topics in financial econometrics. Topics include testing for return predictability, inference in consumption-based asset pricing models, and estimation of continuous time models. Includes discussion of empirical applications.

Note: Expected to be given in 2007–08.

Prerequisite: Economics 2120 or equivalent.

[Economics 2149. Computational Economics]

Catalog Number: 7236

Ulrich Doraszelski

Half course (fall term). Hours to be arranged.

Graduate introduction to computational approaches for solving economic models. We will formulate economic problems in computationally tractable form and use techniques from numerical analysis to solve them. We will study examples of computational techniques in the current economics literature.

Note: Expected to be given in 2007–08.

[Economics 2162. The Econometrics Workshop](#)

Catalog Number: 2372

James H. Stock and members of the Department

Full course. Th., 4:30–6. EXAM GROUP: 18

Current research topics in theory and applications of econometrics.

Cross-listed Courses

Economic History; Development Economics

For Undergraduates and Graduates



Economics 1320. The Latin American Economy

Catalog Number: 2454

Beatriz Armendariz

Half course (spring term). Tu., Th., 11:30–1, and a one-hour weekly section to be arranged.

EXAM GROUP: 13, 14

Economic analysis of historical episodes that have shaped recent development strategies in the region. Focuses on the determinants of growth and income inequality, volatile financial markets, and rapid urbanization. Analyzes country-specific experiences to evaluate stabilization, trade, regulation, poverty alleviation, and environmental policies.

Prerequisite: Economics 1010a or 1011a. Prior knowledge of economic development and international finance would be an advantage.

[Economics 1330. One Way or Many]

Catalog Number: 7955

Roberto Mangabeira Unger (Law School)

Half course (spring term). Hours to be arranged.

Is the world gradually converging toward the same set of economic practices and institutions, following the lead of the North Atlantic industrial democracies? Or can democratic market economies take institutional forms radically different from those now established in the US and Western Europe? International financial instability has lent new urgency to the controversy over alternatives. The course considers these themes by exploring their variations in major post-communist or developing societies, as well as in North Atlantic countries.

Note: Expected to be given in 2007–08. Offered jointly with the Kennedy School as PED-259 and the Law School as 44160-31. Meets at the Law School.

Prerequisite: Social Analysis 10.

[Economics 1340. Globalization and History]

Catalog Number: 4025 Enrollment: Limited to 80.

Jeffrey G. Williamson

Half course (fall term). Hours to be arranged.

Globalization after 1492: first globalization boom 1800-1914, autarkic retreat 1914-1950, second globalization boom since 1950. Uses history to explore sources and impact of world market integration, emerging global capital markets, and mass migrations. Does going global foster growth? Who gains and who loses? Why doesn't more capital flow to poor countries? Why don't more poor people migrate? Who votes for protection? Who votes for migration restriction?

Note: Expected to be given in 2007–08. Concentrators may not take pass/fail.

Prerequisite: Social Analysis 10 or permission of the instructor.

[*Economics 1357. Historical Perspectives on American Economic Ascendancy]

Catalog Number: 7554 Enrollment: Limited to 60.

Kenneth Sokoloff (University of California, Los Angeles)

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Concerns America's economic ascendancy ever since c.1790. Addresses whether the US lost economic leadership post-WWII or others converged on it. Explores how the US achieved economic supremacy, including natural resources, legal institutions, labor, education, and invention. Confronts domestic issues accompanying economic growth such as inequality,



regional divisions, slavery, big business, and economic vicissitudes such as the Great Depression, and evaluates solutions such as big government. Readings include novels.

Note: Expected to be given in 2007–08. Concentrators may not take pass/fail. A research paper is required.

Prerequisite: Social Analysis 10 or permission of the instructor.

[Economics 1375. Gender Issues in Economic Development]

Catalog Number: 7348

Erica M. Field

Half course (spring term). Hours to be arranged.

Examines a range of economic issues related to gender in developing countries, with a focus on empirical methods and applied theory. We will analyze regional trends in women's education, labor force participation, wealth and political representation, and examine their theoretical and empirical relationship to economic growth and development. Specific topics include intra-household resource allocation; marriage markets and family structure; public policy and gender equity; and the implication of biological and psychological gender theories for economic behavior.

Note: Expected to be given in 2007–08.

Prerequisite: Economics 1010/1011.

[Economics 1386. Health, Education, and Development]

Catalog Number: 6436

Erica M. Field

Half course (spring term). Hours to be arranged.

Advanced course addresses health and education issues in developing countries from the standpoint of economics, with a focus on modeling techniques and econometric methods. General topics include demographic transition, household models of production, and the role of health and educational inputs. Specific topics include: the return to education in developing countries, structural problems in delivery, education finance, health inequality, technology adoption and behavior, AIDS, and the impact of disease.

Note: Expected to be given in 2007–08.

Prerequisite: Economics 1010a (or 1011a) and 1123 (or 1126).

Economics 1393. Poverty and Development

Catalog Number: 6516

Beatriz Armendariz

Half course (fall term). M., W., 1–2:30 and a one-hour weekly section to be arranged. EXAM GROUP: 6, 7

Studies the relationship between economic growth, poverty, and income distribution. Discusses how globalization affects poverty and inequality. Studies the main theories of economic growth and the main potential sources of economic development, from physical capital accumulation, to education, to technology, to the role of government. Discusses various global issues such as public global health (e.g., the impact of malaria and AIDS on Africa), corruption and institutions, natural resources, the environment, international donor institutions, and population growth.

Prerequisite: Economics 1010a (or 1011a) and 1010b (or 1011b).



Primarily for Graduates

Economics 2327. Economic Development: Theory, Policy, and Evidence

Catalog Number: 8092

Dani Rodrik (Kennedy School)

Half course (fall term). M., W., 11:40–1, and a review section F. EXAM GROUP: 4, 5

Provides a graduate-level overview of the theory of and evidence on economic development from a policy-oriented perspective. Aim is to allow students to analyze policy debates surrounding development from a broad and rigorous analytical base.

Note: Offered jointly with the Kennedy School as PED-101.

Economics 2328. The Emergence of Modern Economic Growth: A Comparative and Historical Analysis - (New Course)

Catalog Number: 9475

James Robinson

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

Overview and analysis of comparative economic development during the last half millennia. Examines the emergence of modern economic growth in Europe after 1500, and the forces that led to the great divergence in prosperity in the 19th century. Also considered: colonialism, communism, fascism, and revolution.

Economics 2333. Historical Perspectives on Current Economic Issues

Catalog Number: 6800

Claudia Goldin

Half course (spring term). M., W., 10–11:30. EXAM GROUP: 3, 4

Comparative economic history emphasizing the sources of economic growth. Subjects include labor systems, population change, migration, technology, industrialization, market integration, education, government, inequality, and the Great Depression. Each topic is motivated by a current concern.

Note: Satisfies the graduate distribution requirement. Open to undergraduates on a limited basis with permission of instructor.

[Economics 2335. The Industrial Sector in Developing Countries]

Catalog Number: 3876

Matthias Schündeln

Half course (spring term). Hours to be arranged.

Microeconomics of industrial sector development, focusing on the specific institutional environment of developing countries. Topics include role of financial markets, labor markets, and new technologies in explaining individual firm behavior, productivity, market structure, industry dynamics.

Note: Expected to be given in 2007–08.

***Economics 2339. The Economic History Workshop**

Catalog Number: 8183

Claudia Goldin, James Robinson, and Jeffrey G. Williamson (fall term); Claudia Goldin and Kenneth Sokoloff (spring term)



Full course. F., 2–4. EXAM GROUP: 7, 8

Intended for students writing dissertations related to economic history themes and/or methodology and for others with interests in economic history. Discusses research papers presented by scholars at Harvard and elsewhere.

[Economics 2350. Workshop in Religion, Political Economy, and Society]

Catalog Number: 0815

Robert J. Barro and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: 5, 6

Topics on the interplay between religion and the social sciences.

Note: Expected to be given in 2007–08.

Economics 2390b. Development Economics I: Microeconomic Issues

Catalog Number: 2990

Sendhil Mullainathan

Half course (fall term). F., 2:45–5:45. EXAM GROUP: 7, 8, 9

Topics include agricultural issues such as peasant behavior, land tenancy, interlinked markets; credit and insurance market problems and institutions; health, nutrition, and productivity; gender bias; education; and technology adoption.

Economics 2390c. Development Economics II: Macroeconomic Issues

Catalog Number: 0388

Michael R. Kremer

Half course (spring term). M., 4–7. EXAM GROUP: 9

Topics include aggregative and non-aggregative growth models, growth and development accounting, models of technology diffusion and choice, the role of finance and foreign aid in the growth process, the role of trade, immigration, and population growth.

Economics 2390d. The Economic Growth and Development Workshop

Catalog Number: 1926

Michael R. Kremer and members of the Department

Full course. Tu., 2:30–4. EXAM GROUP: 16, 17

Fall speakers cover issues in growth and development. Spring speakers alternate between “growth and institutions,” focusing on the macro aspects of growth and development, and “labor and development,” focusing on the micro aspects.

[Economics 2390e. Topics in Development Economics]

Catalog Number: 8744

Sendhil Mullainathan

Half course (spring term). Tu., 6–8 pm. EXAM GROUP: 18

An introduction to aspects of performing field work in development economics. This course prepares students for field work through background readings, help in choice of field site, and teaching of empirical tools.

Note: Expected to be given in 2007–08. Students are expected to spend the summer doing field work and writing a major research paper.



Monetary and Fiscal Theory and Policy; Public Sector Economics

For Undergraduates and Graduates

Economics 1410. Public Sector Economics

Catalog Number: 6136

David M. Cutler, Mihir A. Desai (Business School), and Martin Feldstein

Half course (spring term). M., W., F., at 9, and a one-hour weekly section to be arranged. EXAM GROUP: 2

An economic analysis of taxation and government spending. Fundamental principles of taxation are developed and applied to current issues of tax policy. Discussion of government spending focuses on issues of health, education, and social security.

Note: Offered jointly with the Kennedy School as API-125.

Prerequisite: Economics 1010a or 1011a or permission of instructor.

Economics 1420. American Economic Policy

Catalog Number: 8110

Martin Feldstein and Jeffrey B. Liebman (Kennedy School)

Half course (spring term). M., W., F., at 10, and a one-hour weekly section to be arranged.

EXAM GROUP: 3

Analyzes major issues in American economic policy including taxation, Social Security, welfare reform, budget policy, monetary and fiscal policy, and exchange rate management. Current economic issues and policy options discussed in detail and in the context of current academic thinking.

Note: Offered jointly with the Kennedy School as API-126.

Prerequisite: Economics 1010a or 1011a, or permission of instructor.

Economics 1430. Macroeconomics and Politics

Catalog Number: 5549

Robert J. Barro and Emmanuel Farhi

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Topics include the political economy of economic growth, including the roles of democracy and legal institutions; inflation, monetary policy, and fiscal policy; interplay between religion and political economy; and analyses of economic and monetary unions.

Prerequisite: Economics 1010b or 1011b, or permission of the instructor.

Economics 1460. Economics of Health Care Policy - (New Course)

Catalog Number: 4540

Joseph P. Newhouse (Kennedy School, Medical School, Public Health)

Half course (spring term). M., W., 8:40–10. EXAM GROUP: 1, 2

Policy issues related to the following: the demand for medical care services, especially as a function of insurance; the demand for insurance and issues of selection; reimbursement policies of Medicare and other payers toward health plans, hospitals, and physicians; effects of health maintenance organizations and managed care; and malpractice and tort reform. Focus on federal policy, although state and local perspectives will receive some attention.

Note: Students may not take both Economics 1460 and Quantitative Reasoning 24: Health



Economics and Policy for credit. Offered jointly with the Kennedy School as HCP-272.

Prerequisite: Economics 1010a or 1011a. A statistics course is highly desirable.

[Economics 1471. Economics of Crime]

Catalog Number: 6848 Enrollment: Limited to 100.

Jeffrey A. Miron

Half course (spring term). Hours to be arranged.

Presents the economic model of crime and assesses the evidence that evaluates this model.

Specific topics include the roles of guns, drugs, abortion, the death penalty, and criminal justice policies in determining crime.

Note: Expected to be given in 2007–08.

Prerequisite: Social Analysis 10 and Statistics 100 (or equivalent).

Economics 1480. Moral Perspectives on Economic Growth

Catalog Number: 3441 Enrollment: Limited to 20.

Benjamin M. Friedman

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Considers economic growth and policies that either promote or impede economic growth, from a social and moral perspective. Focuses on ways in which moral ideas, including religious ideas, have influenced economic thinking, and vice versa. Approaches include economic, historical, and literary analyses.

Prerequisite: Economics 1010a (or 1011a) and 1010b (or 1011b).

Cross-listed Courses

[Quantitative Reasoning 24. Health Economics and Policy]

Primarily for Graduates

Economics 2410d. Aggregate Implications of Household and Firm Behavior

Catalog Number: 9772

Nicola C. Fuchs-Schündeln

Half course (spring term). M., W., 10–11:30. EXAM GROUP: 3, 4

Deals with microeconomic foundations of macroeconomics. Covers a variety of topics, including consumption, wealth holdings, investment, and unemployment. Studies theory as well as empirical evidence.

[Economics 2410e. Economic Growth]

Catalog Number: 0681

Philippe Aghion

Half course (spring term). Hours to be arranged.

Covers a variety of advanced topics in economic growth and development, including the roles of factor accumulation, differences in productivity, technology adoption and technology diffusion, institutions and politics, culture and social capital.

Note: Expected to be given in 2007–08.



[Economics 2410f. Advanced Topics in Closed and Open Economy Macroeconomics]

Catalog Number: 3832

Nicola C. Fuchs-Schündeln

Half course (fall term). Hours to be arranged.

Theory and empirics of microeconomic foundations of closed economy macroeconomics with incomplete markets. Further studies the importance of frictions in asset and good markets in explaining a variety of open economy macro puzzles.

Note: Expected to be given in 2007–08.

Economics 2415. Theory of Optimal Policy

Catalog Number: 2855

Aleh Tsyvinski

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Theory of optimal taxation including static and dynamic models; taxation; Ramsey and Mirrlees approaches; theory of social insurance. Macroeconomic approach to optimal policy includes fiscal and monetary policy over time and business cycles. Time-consistency problems will be covered.

Economics 2420. Monetary and Fiscal Policy Seminar

Catalog Number: 5946

Aleh Tsyvinski, Philippe Aghion, Robert J. Barro (fall term), Benjamin M. Friedman and members of the Department

Full course. M., 2–4. EXAM GROUP: 7, 8

Seminar speakers present papers on macroeconomic topics, including issues relating to monetary and fiscal policies, economic growth, the role of institutions, and other research issues in the field.

[Economics 2435. Growth and Institutions Workshop]

Catalog Number: 0382

Philippe Aghion, Robert J. Barro, and Dani Rodrik (Kennedy School)

Half course (spring term). Hours to be arranged.

Effects of organizations and institutions on macroeconomic performance, with a particular focus on the interplay among institutions, technical change, and economic growth.

Note: Expected to be given in 2007–08. Students should attend Economics 2420, which will include topics on growth.

Economics 2450a. Public Economics and Fiscal Policy I

Catalog Number: 1339

Jeffrey B. Liebman (Kennedy School)

Half course (fall term). M., W., 11:30–1. EXAM GROUP: 4, 5

Surveys theoretical and empirical analyses of taxation and government expenditures. Topics include tax incidence, optimal tax theory, public goods and externalities, and empirical analysis of responses to taxation.

Economics 2450b. Public Economics and Fiscal Policy II

Catalog Number: 6478



David M. Cutler and Martin Feldstein

Half course (spring term). M., W., (F.), 11:30–1. EXAM GROUP: 4, 5

Surveys theoretical and empirical analyses of taxation and government expenditures. Special topics include taxes and corporate finance, social insurance and fiscal policy, including social security and health care.

Economics 2460. Health Economics Workshop

Catalog Number: 7617

David M. Cutler and Joseph P. Newhouse (Kennedy School, Medical School, Public Health)

Half course (spring term). Tu., 6–8 pm. EXAM GROUP: 18

Focuses on theory, econometric models, and public policy of health care. Frontier work in health economics presented and discussed by instructors and outside speakers.

Note: May be taken for credit only by dissertation students writing a research paper. Offered jointly with the Kennedy School as HCP-581.

Economics 2470. Law and Economics - (New Course)

Catalog Number: 5995

Andrei Shleifer and Louis E. Kaplow (Law School)

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Emphasizes themes relating different subjects in the field and analyzes topics that illustrate those themes. Besides issues such as torts, property, litigation, and law enforcement, will also focus on judicial decision-making and cross-country comparisons of the effects of laws and legal systems.

Note: Offered jointly with the Law School as 96203-31.

Economics 2480. The Public Economics and Fiscal Policy Workshop

Catalog Number: 6834

David M. Cutler and Martin Feldstein

Full course. M., 4–6. EXAM GROUP: 9

Focuses on current issues in the theory and practice of public finance, including both tax and expenditure policies.

***Economics 2490. The Economics of National Security Seminar**

Catalog Number: 9061

Martin Feldstein

Half course (spring term). Tu., 6:30–9 pm. EXAM GROUP: 18

Considers a range of issues relating to national security, including bioterrorism, the market for nuclear weapons, the defense industry, the dependence on imported oil, intelligence, sanctions, etc.

Note: Speakers will be both experts with experience in this field and economists doing research on these issues. Seminar participants will be economics department faculty and selected graduate students.

International Economics

For Undergraduates and Graduates



Economics 1530. International Monetary Economics

Catalog Number: 2269

Richard N. Cooper

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

The theory of exchange rate determination, capital markets, and macroeconomic policy in the open economy. Applications to such issues as the history of international monetary regimes, international policy coordination, debt crises, and the formation of currency unions.

Note: May not be taken for credit with Economics 1531

Prerequisite: Social Analysis 10.

Economics 1531. Economics of International Financial Policy - (New Course)

Catalog Number: 7018

Jeffrey A. Frankel (Kennedy School)

Half course (spring term). M., W., 2:40–4; and review section F., 10:10–11:30. EXAM GROUP: 7, 8

This course examines the macroeconomics of open economies. It covers models appropriate to major industrialized countries. Topics include the foreign exchange market, devaluation, and import and export elasticities; simultaneous determination of the trade balance, national income, balance of payments, money flows, and price levels; capital flows and our increasingly integrated financial markets; monetary and fiscal policy in open economies; international macroeconomic interdependence; supply relationships and monetary policy targets; exchange rate determination; and international portfolio diversification.

Note: Offered jointly with the Kennedy School as ITF-220. May not be taken for credit with Economics 1530.

Prerequisite: Economics 1010/1011. Knowledge of international trade theory and econometric techniques is also desirable, but not essential. Students must be very comfortable with algebra.

Economics 1535. International Trade and Investment

Catalog Number: 2557 Enrollment: Limited to 30.

Yu-chin Chen (University of Washington)

Half course (spring term). M., W., 1–2:30 and a one-hour weekly section to be arranged. EXAM GROUP: 6, 7

Analyzes the causes and consequences of international trade and investment. Focuses on the interplay of economic theory and empirical descriptions of foreign trade and direct investment patterns.

Prerequisite: Economics 1010a or 1011a.

[Economics 1540. Topics in International Trade]

Catalog Number: 7470

Half course (spring term). Hours to be arranged.

Covers advanced topics in international economics with a special emphasis on an analytical approach to the recent process of globalization. Topics include the effect of international outsourcing on wages, trade and industrial development, and the role of multinational firms in the global economy.



Note: Expected to be given in 2007–08.

Prerequisite: Economics 1535 and knowledge of calculus.

Economics 1542. International Trade Policy

Catalog Number: 2613

Elhanan Helpman

Half course (fall term). M., W., 2–3:30. EXAM GROUP: 7, 8

Provides a discussion of the economic impacts of international trade policies and the political economy of trade policy formation. The course will focus on analytical methods and therefore requires knowledge of calculus.

Prerequisite: Economics 1010a or 1011a, or permission of instructor.

Economics 1545. International Financial and Macroeconomic Policy

Catalog Number: 5166

Gita Gopinath

Half course (spring term). M., W., 1–2:30 and a one-hour weekly section to be arranged. EXAM GROUP: 6, 7

Advanced theoretical and empirical analysis of contemporary international macroeconomic policy issues in both industrialized and developing economies. Topics include exchange rates, international capital flows, debt crises, growth, and policy coordination.

Prerequisite: Economics 1010b or 1011b.

Primarily for Graduates

Economics 2530a. International Trade

Catalog Number: 4537

Elhanan Helpman

Half course (fall term). M., W., 8:30–10. EXAM GROUP: 1, 2

Provides a broad overview of theory and evidence concerning international trade, direct foreign investment, and trade policy.

Note: Strongly recommended as preparation for Economics 2530b.

Economics 2530b. International Finance

Catalog Number: 7144

Gita Gopinath

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

Financial aspects of growth and income determination in open economies. Topics include international business cycle, monetary and exchange rate regimes, capital flows, and current issues in international macroeconomic policy.

Prerequisite: Economics 2530a provides extremely useful background.

[Economics 2535. Advanced Topics in International Trade]

Catalog Number: 6410

Half course (spring term). Hours to be arranged.

Covers advanced theoretical and empirical topics concerning the determinants of world trade



patterns.

Note: Expected to be given in 2007–08.

Prerequisite: Economics 2530a or permission of instructor.

[Economics 2537. International Trade Policy: Issues and Analysis]

Catalog Number: 1699

Dani Rodrik (Kennedy School)

Half course (fall term). Hours to be arranged.

Develops expertise with economic models used for the analysis of international trade policies.

Focuses on theoretical and empirical work relating to trade patterns, income distribution, growth, development, industrial policy, political economy, and the WTO.

Note: Expected to be given in 2007–08. Students are expected to make presentations and write a research paper. Offered jointly with the Kennedy School as ITF-345.

Prerequisite: Graduate level microeconomics and econometrics.

Economics 2540. The International Economics Workshop

Catalog Number: 4008

Elhanan Helpman and members of the Department

Full course. W., 4–6. EXAM GROUP: 9

Research papers in all aspects of international economics, including theory, econometrics, and policy.

Industrial Organization and Regulation; Environmental Economics

For Undergraduates and Graduates

Economics 1600. Industrial Organization

Catalog Number: 2584

Elena Krasnokutskaya (University of Pennsylvania)

Half course (fall term). M., W., 4–5:30. EXAM GROUP: 9

Analysis of imperfectly competitive markets, focusing on the interactions between firm behavior, market structure, and market outcomes. Topics include oligopoly, collusion, firm entry, advertising, new product development, and price discrimination as well as public policy implications of market behavior.

Prerequisite: Social Analysis 10 and Mathematics 1a.

Economics 1640. Industrial Organization: Theory and Applications

Catalog Number: 7875 Enrollment: Limited to 30.

Julie H. Mortimer

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Theoretical and empirical analysis of contemporary topics in industrial organization. Uses economic theory to analyze important issues facing firms, and examines the practical challenges of empirical applications of theory. Topics include horizontal relationships and mergers, vertical integration and control through contractual arrangements, price discrimination, information and search costs, innovation and intellectual property rights, and network externalities. Each topic combines theoretical analysis with a study of actual firm behavior.



Note: Students may not take both Economics 1640 and Economics 1641 for credit.

Prerequisite: Economics 1010a or 1011a.

Economics 1641. Industrial Organization: Theory and Practice - (New Course)

Catalog Number: 9099 Enrollment: Limited to 30.

Kenneth Hendricks (University of Texas, Austin)

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Advanced course in industrial organization, studying the behavior of firms and the structure of markets. The first goal is to apply microeconomic theory to understand when and how firms exercise market power and its impact on market efficiency and consumer welfare. The second goal is to apply the theoretical insights to anti-trust cases. Topics include price discrimination, bundling and tying, collusion, entry deterrence, mergers, vertical restraints, networks, R&D joint ventures, and advertising.

Note: Students may not take both Economics 1640 and Economics 1641 for credit.

Prerequisite: Economics 1010a or 1011a.

[Economics 1661. Environmental and Resource Economics and Policy]

Catalog Number: 2115

Robert N. Stavins (Kennedy School)

Half course (spring term). Hours to be arranged.

Provides a survey, from the perspective of economics, of environmental and natural resource policy. Combines lectures on conceptual and methodological topics with examinations of public policy issues. Topics include principles of environmental and resource economics, nonrenewable resources (minerals and energy), renewable resources (water, forests, land, fisheries), air pollution (stationary and mobile sources, acid rain, and global climate change), water pollution (point and nonpoint sources), waste management, and sustainable development and political aspects of environmental policy.

Note: Expected to be given in 2007–08. Offered jointly with the Kennedy School as ENR-201.

Prerequisite: Social Analysis 10 or permission of instructor.

Primarily for Graduates

Economics 2610. Industrial Organization I

Catalog Number: 3766

Ariel Pakes

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Applied work in industrial organization. Static analysis (theory, estimation): demand systems, cost functions, and game theoretic concepts of equilibrium and their application. Dynamic analysis (theory, computation, estimation): single agent problems, dynamic games and their application.

Economics 2611. Industrial Organization II

Catalog Number: 2302

Julie H. Mortimer and Susan Athey

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Application of industrial organization to problems of public policy. Applied analysis of antitrust



policy, network industries, vertical relationships, auctions, and other topics depending on interest.

Note: Students are urged to take Economics 2610 before Economics 2611.

***Economics 2640hf. The Industrial Organization Workshop**

Catalog Number: 5981

Julie H. Mortimer and Ariel Pakes (fall term); Susan Athey (spring term)

Half course (throughout the year). M., 2:30–4. EXAM GROUP: 7, 8

Economics 2665. The Economics of Organizations Workshop

Catalog Number: 9819

George P. Baker (Business School)

Half course (fall term; repeated spring term). Th., 2:30–4. EXAM GROUP: 16, 17

Note: Offered jointly with the Business School as 4230.

Economics 2670. Organizational Economics

Catalog Number: 6913

George P. Baker (Business School)

Half course (spring term). M., W., 10–11:30. EXAM GROUP: 3, 4

Theoretical and empirical work on organizations. Topics include agency problems inside organizations, boundaries of the firm, relational contracting, authority, hierarchies, delegation, decentralization, and nonstandard organizational arrangements (including joint ventures, venture capital, and public ownership).

Note: Offered jointly with the Business School as 4180.

Prerequisite: Economics 2020.

Economics 2680. Environmental and Natural Resource Economics

Catalog Number: 6529

Martin L. Weitzman

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Basic theory and models, including externalities, common property, instruments for controlling pollution. Applications of optimal control theory to renewable and non-renewable resources. Analysis of cost-benefit, discounting, uncertainty, environmental accounting, “sustainability,” and biodiversity preservation.

Prerequisite: Graduate price theory at level of 2010 or 2020.

***Economics 2690hf. Environmental Economics and Policy Seminar**

Catalog Number: 4324

Robert N. Stavins (Kennedy School) and Martin L. Weitzman

Half course (throughout the year). W., 4–5:30. EXAM GROUP: 9

Selected topics in environmental and resource economics. Emphasizes theoretical models, quantitative empirical analysis, and public policy applications. Includes invited outside speakers.

Note: Primarily for graduate students in economics or related fields with environmental interests. Offered jointly with the Kennedy School as ENR-551y.

Prerequisite: Graduate-level course in microeconomic theory.



Financial Economics

For Undergraduates and Graduates

Economics 1723. Capital Markets

Catalog Number: 1917

John Y. Campbell

Half course (fall term). Tu., Th., 10–11:30, and a one-hour weekly section to be arranged.

EXAM GROUP: 12, 13

An introduction to the economic analysis of investment decisions and financial markets.

Concepts include time discounting, market efficiency, risk, and arbitrage. These concepts are applied to fixed-income securities, equities, and derivative securities.

Prerequisite: Mathematics 20 and Economics 1010a or 1011a.

Economics 1745. Corporate Finance

Catalog Number: 5889

Efraim Benmelech

Half course (spring term). M., W., 1–2:30, and a one-hour weekly section to be arranged. EXAM

GROUP: 6, 7

Introduction to corporate finance, including capital budgeting, capital structure of firms, dividend policy, corporate governance, and takeovers.

Prerequisite: Economics 1010a or 1011a, Mathematics 20, and Statistics 100.

Economics 1760. Topics in Financial Economics

Catalog Number: 4594

Jeremy C. Stein

Half course (spring term). Tu., Th., 1–2:30; W., at 5; W., at 6; W., at 7 p.m. EXAM GROUP: 15, 16

Theory and empirical evidence on selected questions in financial economics, with an emphasis on current research. Topics include behavioral finance, market efficiency, and corporate investment and financing decisions.

Prerequisite: Economics 1723.

Primarily For Graduates

Economics 2723. Asset Pricing I

Catalog Number: 2847

John Y. Campbell

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

An introduction to financial economics emphasizing discrete-time models and empirical applications. Reviews basic asset pricing theory. Discusses empirical topics including predictability of stock and bond returns, the equity premium puzzle, and intertemporal equilibrium models.

Note: Offered jointly with the Business School as 4209.

Prerequisite: Economics 2010a or 2020a, or permission of instructor.



Economics 2724 (formerly Economics 2424). Finance Theory in Continuous Time

Catalog Number: 2614

Robert C. Merton (Business School)

Half course (spring term). M., 2–5:30. EXAM GROUP: 7, 8, 9

Synthesis of finance theory from the perspective of continuous-time analysis covering individual financial behavior, financial markets and intermediaries, corporate finance, governmental and macro finance in an uncertain environment.

Note: Offered jointly with the Business School as 4256.

Prerequisite: At least one finance course including capital markets; elementary probability and statistics; multi-variate calculus; matrix algebra.

Economics 2725. Corporate Finance

Catalog Number: 1427

Jeremy C. Stein and David S. Scharfstein (Business School)

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Theory and empirical evidence on capital structure, dividends, investment policy, and managerial incentives. Topics include banking, corporate governance, and mergers.

Note: Offered jointly with the Business School as 4220.

Prerequisite: Economics 2060.

Economics 2727. Empirical Methods in Corporate Finance

Catalog Number: 9055

Joshua Lerner (Business School) and Paul Gompers (Business School)

Half course (spring term). Th., 2:30–5:30. EXAM GROUP: 16, 17, 18

Examines empirical research in corporate finance. Covers empirical research methodology, financial institutions, and financial policy. Major emphasis is on how to do well-executed and persuasive research in corporate finance.

Note: Structured to minimize overlap with Economics 2725. Seminar format; students write referee reports and a research paper.

Economics 2728. Behavioral Finance

Catalog Number: 8633

Jeremy C. Stein

Half course (spring term). W., 1–2:30. EXAM GROUP: 6, 7

Deals with theoretical and empirical approaches to the study of financial markets using psychological or behavioral ideas. Topics include limited arbitrage, predictability of security returns, and trading volume.

[Economics 2730. Asset Pricing II]

Catalog Number: 2235

Half course (spring term). Hours to be arranged.

Emphasis of course is both theoretical and empirical. First part of course develops continuous-time asset pricing models, and their estimation. Second part discusses empirical research on cross-sectional patterns in stock returns.

Note: Expected to be given in 2007–08. Offered jointly with the Business School as 4210.



Prerequisite: Graduate-level microeconomics, macroeconomics, and econometrics; Economics 2723 or equivalent.

***Economics 2770hf. The Financial Economics Workshop**

Catalog Number: 1379

Jeremy C. Stein, Efraim Benmelech, and John Y. Campbell

Half course (throughout the year). W., 4–5:30. EXAM GROUP: 9

Cross-Listed Courses

Labor, Human Resources, and Income Distribution; Urban Economics

For Undergraduates and Graduates

Economics 1812. The US Labor Market

Catalog Number: 0421

James L. Medoff

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

Presents the tools employed in research on the operation of the labor market and then uses them to discuss issues such as the determinants of earnings differentials, the impact of various firm characteristics on labor-market outcomes, discrimination, and unemployment.

Prerequisite: Economics 1010a (or 1011a) and Economics 1010b (or 1011b).

Economics 1813. The Indebted Society

Catalog Number: 6957

James L. Medoff

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

In recent years, the U.S. economy has entered an unprecedented era of dependence on debt by governments, corporations and households. A massive debt overhang permeates our economy, casting a shadow over government, corporate and household finance and shaping decision-making processes for all of these actors. This course examines both causes and effects of this penchant for debt, utilizing a multidisciplinary approach drawing from labor economics, public/corporate finance, law, public policy, and even sociology and psychology.

Prerequisite: Economics 1010a (or 1011a) and Economics 1010b (or 1011b).

[Economics 1815. Social Problems of the American Economy]

Catalog Number: 3130

Lawrence F. Katz

Half course (fall term). Hours to be arranged.

Examines selected social and economic problems of the US and evaluates market and governmental solutions. Topics include discrimination, income and wage inequality, welfare reform, antipoverty strategy (including education and training programs), homelessness, crime, and charitable behavior.

Note: Expected to be given in 2007–08. A research paper is required.

Prerequisite: Social Analysis 10 or permission of the instructor.



Economics 1816. Race in America - (New Course)

Catalog Number: 2483

Roland G. Fryer

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Examines the causes and consequences of racial inequality in America and evaluates the efficacy of various market and non-market solutions. Topics include: the racial achievement gap in education, the impact of crack cocaine on inner cities, racial differences in health, crime and punishment, labor market discrimination, social interactions and the effects of peer groups, affirmative action, and more.

Prerequisite: Social Analysis 10.

Economics 1818. Economics of Discontinuous Change

Catalog Number: 3029

Richard B. Freeman

Half course (spring term). Tu., Th., at 1, and a one-hour weekly section to be arranged. EXAM GROUP: 15

Explores discontinuous changes in the economic position of groups and countries and presents mathematical and computer simulation models designed to illuminate these changes. Examples include growth/decline of trade unions, segregation of groups, development of linkages on the internet, changes in corporate work culture, growth of social pathologies in neighborhoods, and Malthusian concerns about the environment. Models include nonlinear simulations, neural networks, finite automata, evolutionary stable strategies, causal conjunctures, agent-based simulations, and genetic algorithms.

Note: A research paper is required. Students should have some mathematical background, but there is no prerequisite.

[Economics 1822. Economics of Education]

Catalog Number: 1004 Enrollment: Limited to 40.

Caroline M. Hoxby

Half course (fall term). Hours to be arranged.

Explores why people attain different levels of education, what makes schools efficient, how schools should be financed, what explains rising college tuition, whether education propels macroeconomic growth. Uses labor economics (human capital investment, the market for teachers), public economics (financing K-12 education, public colleges), industrial organization (vouchers, charter schools, market for college education), macroeconomics (growth theory).

Note: Expected to be given in 2007–08. A research paper is required of most students, which makes this a good course for those considering honors theses.

Prerequisite: Economics 1010a or 1011a, or permission of the instructor.

Primarily for Graduates

Economics 2801. Re-Thinking Cities - (New Course)

Catalog Number: 9505

Edward L. Glaeser and Jerold Kayden (Design School)

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Academic disciplines and professional fields employ a wide array of theories and technical



approaches to study cities. With participation of scholars drawn from anthropology, economics, planning, architecture, law, sociology, political science, and other disciplines and fields, this course critically examines these ways of thinking about cities.

Note: Jointly listed with the School of Design as GSD-3492 and the Kennedy School as HUT-202

Economics 2810a. Labor Market Analysis

Catalog Number: 4862

Lawrence F. Katz and Roland G. Fryer

Half course (fall term). M., W., 10–11:30. EXAM GROUP: 3, 4

Theoretical and empirical research on labor markets. Wage determination covers equalizing differences, human capital, job mobility, and incentive models. Labor supply covers life-cycle models. Labor demand includes minimum wage and union models.

Economics 2810b. Labor Economics and Labor Market Institutions

Catalog Number: 3206

Richard B. Freeman

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Examines the operation of the labor market and evaluation of labor market policies. Topics: labor econometrics, theories of wage determination, changes in the wage structure, unemployment, labor market institutions, social mobility, and social interactions.

Economics 2811. Social Economics - (New Course)

Catalog Number: 5188

Roland G. Fryer and Lawrence F. Katz

Half course (spring term). Th., 4–7 p.m. EXAM GROUP: 18

Applies the tools of economics to explore social issues including crime, discrimination, racial and gender differences, poverty, family structure, urban problems, social interactions and peer effects, and intergenerational mobility.

Economics 2812. The Labor Economics Workshop

Catalog Number: 0230

Lawrence F. Katz, Richard B. Freeman, and Roland G. Fryer

Full course. W., 4–5:30. EXAM GROUP: 9

Focuses on research concerning the operation of labor markets.

***Economics 2813. Labor and Work Life Forum**

Catalog Number: 1415

Paul C. Weiler (Law School)

Half course (spring term). Th., 4–6. EXAM GROUP: 18

Research and discussion with trade union leaders and management concerning labor issues.

Economics 2888hf. Economics of Science and Engineering Workshop - (New Course)

Catalog Number: 6311

Richard B. Freeman

Half course (throughout the year). Meets bi-weekly: M., 3:30-5. EXAM GROUP: 8, 9



Focus on work force and career issues. Topics include: Effects of globalization on work force and innovation, growth of networks in work; impact of career incentives on productivity; university policies; mobility between academe and industry; link between ideas and outputs.

Graduate Courses of Reading and Research

***Economics 3000. Research Paper**

Catalog Number: 4174

Members of the Department

Intended to fulfill the Research Paper Requirement for the PhD degree in Economics. Ordinarily, this course is taken during the spring term of the second year of graduate study.

***Economics 3005. Reading and Research**

Catalog Number: 3493

Members of the Department

Individual work or work in small groups (with a professor or lecturer in residence) in preparation for the general examination for the PhD degree, or work on special topics not included in course offerings.

***Economics 3010. Direction of Doctoral Dissertations**

Catalog Number: 4579

Members of the Department

Note: In all cases, the dissertation topic must have been formally submitted to, and approved by, a dissertation adviser.

***Economics 3011. Research in Behavior in Games and Markets**

Catalog Number: 0109

Attila Ambrus 4665 (on leave 2006-07), Drew Fudenberg 3460, Jerry R. Green 1539 (on leave spring term), David I. Laibson 1241 (on leave fall term), Markus M. Möbius 3441, Alvin E. Roth 564, and Andrea Wilson 5474

Half course (fall term; repeated spring term). W., 11:30–1.

Serves mainly as a forum for presentations by graduate students of their current research. Work presented can be very preliminary and conjectural.

Prerequisite: Economics 2010a (or 2020a) and 2010b (or 2020b).

[*Economics 3030hf. Psychology and Economics in the Field]

Catalog Number: 3877

Sendhil Mullainathan 5139

Half course (throughout the year). Hours to be arranged.

Participants present empirical applications of economics and psychology. Most topics will be proposed designs of field experiments.

Note: Expected to be given in 2007–08. Open to doctoral students only.

***Economics 3163hf. Research in Econometrics**

Catalog Number: 4392

Gary Chamberlain 1745, Rustam Ibragimov 5329, Guido W. Imbens 2671 (on leave spring



term), Dale W. Jorgenson 2000, Marcelo J. Moreira 4365, and James H. Stock 1783
Half course (throughout the year). M., 12–2.

Participants discuss recent research in econometrics and present their own work in progress.
Open to doctoral students in economics.

***Economics 3336hf. Research in Economic History**

Catalog Number: 0639

Claudia Goldin 2667 and Jeffrey G. Williamson 7680 (fall term); Claudia Goldin 2667 and
Kenneth Sokoloff 5529 (spring term)

Half course (throughout the year). M., 4–5:30.

Participants discuss recent research in economic history and present their own work in progress.

Note: Primarily, but not exclusively, for doctoral students in economics who have passed their oral examinations.

***Economics 3390hf. Research in Economic Development**

Catalog Number: 2532

Michael R. Kremer 2112, Erica M. Field 5095 (on leave 2006-07), Robert T. Jensen (Kennedy
School) 4548, Asim I. Khwaja (Kennedy School) 3994, and Jeffrey G. Williamson 7680 (on leave
spring term)

Half course (throughout the year). W., at 1.

Participants discuss recent research in development economics and present their own work in progress. Open to doctoral students in economics who have passed their oral examinations.

***Economics 3410dhf. Research in Macroeconomics**

Catalog Number: 2126

Alberto F. Alesina 2074 (on leave 2006-07), Robert J. Barro 1612, Nicola C. Fuchs-Schündeln
5026, David I. Laibson 1241 (on leave fall term), and Aleh Tsyvinski 4981

Half course (throughout the year). Tu., at 12.

Participants discuss recent research in macroeconomics and present their own work in progress.
Open to doctoral students in economics who have passed their oral examinations.

***Economics 3450chf. Research in Public Economics and Fiscal Policy**

Catalog Number: 3436

David M. Cutler 2954, Edward L. Glaeser 3219, Caroline M. Hoxby 1235 (on leave 2006-07),
and Lawrence F. Katz 1480

Half course (throughout the year). Tu., 1–2:30. EXAM GROUP: 15, 16

Participants discuss recent research in public economics and fiscal policy and present their own work in progress. Open to doctoral students in economics who have passed their oral examinations.

***Economics 3460chf. Research in Health Economics**

Catalog Number: 5309

Joseph P. Newhouse (Kennedy School, Medical School, Public Health) 2425

Half course (throughout the year). Hours to be arranged.

Participants discuss recent research in health economics. Course may also include presentation of original research by participants. Open to doctoral students only.



***Economics 3530hf. Research in International Economics**

Catalog Number: 5777

Pol Antràs 4666 (on leave 2006-07), Richard N. Cooper 7211, Gita Gopinath 5042, Elhanan Helpman 2334, and Joseph P. Newhouse (Kennedy School, Medical School, Public Health) 2425
Half course (throughout the year). W., at 12.

Participants discuss recent research in international economics and present their own work in progress. Open to doctoral students in economics who have passed their oral examinations.

***Economics 3650hf. Research in Industrial Organization**

Catalog Number: 3318

Susan Athey 5334, Richard E. Caves 1414, Ulrich Doraszelski 5024 (on leave 2006-07), Julie H. Mortimer 3993, and Ariel Pakes 1774
Half course (throughout the year). W., 2:30–4.

Participants present their own research in progress in an informal setting. Open to doctoral students in economics who have passed their general examinations and are in the early stages of their dissertations.

***Economics 3660hf. The Law, Economics, and Organizations Workshop**

Catalog Number: 4325

Lucian A. Bebchuk (Law School) 2042, Louis E. Kaplow (Law School) 3223, Joshua Lerner (Business School) 1601, and Andrei Shleifer 2772
Half course (throughout the year). M., 12:30–2.

The presentation of work in progress in the field of law, economics, and organizations. Presentations by members of the various Harvard faculties, outside speakers, and graduate students.

Note: Offered jointly with the Law School as 96250-11 and the Business School as 4670.

***Economics 3680hf. Research in Environmental Economics**

Catalog Number: 1227

Robert N. Stavins (Kennedy School) 2093
Half course (throughout the year). F., 12–1:30.

Participants discuss recent research in environmental and natural resource economics and present their own work in progress.

Note: Open to doctoral students only.

***Economics 3723hf. Research in Financial Economics**

Catalog Number: 4107

Efraim Benmelech 5419, John Y. Campbell 1230, and Jeremy C. Stein 3752
Half course (throughout the year). F., 12–1:30.

Participants discuss recent research in financial economics and present their own work in progress. Open to doctoral students in economics who have passed their oral examinations.

Note: Offered jointly with the Business School as 4601.

***Economics 3810chf. Research in Labor Economics**

Catalog Number: 4066

Roland G. Fryer 5523, Claudia Goldin 2667, and Lawrence F. Katz 1480



Half course (throughout the year). Tu., 1–2:30.

Participants discuss recent research in labor economics and present their own work in progress. Open to doctoral students in economics who have passed their oral examinations.

Engineering Sciences

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Division of Engineering and Applied Sciences Offering Instruction in Engineering Sciences

Frederick H. Abernathy, Gordon McKay Professor of Mechanical Engineering and Abbott and James Lawrence Professor of Engineering

Donald G. M. Anderson, Gordon McKay Professor of Applied Mathematics

Debra T. Auguste, Assistant Professor of Biomedical Engineering on the Gordon McKay Endowment, Tutor in Biochemical Sciences

Michael J. Aziz, Gordon McKay Professor of Materials Science

Roger W. Brockett, An Wang Professor of Electrical Engineering and Computer Science

Federico Capasso, Robert L. Wallace Professor of Applied Physics

Kenneth B. Crozier, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment

Marie D. Dahleh, Lecturer on Engineering Sciences (*Assistant Director of Undergraduate Studies*)

Cornelia Dean, Visiting Lecturer on Engineering Sciences

David A. Edwards, Gordon McKay Professor of the Practice of Biomedical Engineering

Thomas C. Esselman, Lecturer on Engineering Sciences (*fall term only*)

Brian F. Farrell, Robert P. Burden Professor of Meteorology

Donhee Ham, Associate Professor of Electrical Engineering on the Gordon McKay Endowment

Joseph J. Harrington, Gordon McKay Professor of Environmental Engineering (*FAS*) and Professor of Environmental Health Engineering (*Public Health*)

Paul Horowitz, Professor of Physics and of Electrical Engineering

Robert D. Howe, Gordon McKay Professor of Engineering

John W. Hutchinson, Abbott and James Lawrence Professor of Engineering and Gordon McKay Professor of Applied Mechanics

Daniel J. Jacob, Vasco McCoy Family Professor of Atmospheric Chemistry and Environmental Engineering

Aleksandar Kavcic, John L. Loeb Associate Professor of the Natural Sciences

Navin Khaneja, Associate Professor of Electrical Engineering on the Gordon McKay Endowment

Zhiming Kuang, Assistant Professor of Climate Science



H. T. Kung, William H. Gates Professor of Computer Science and Electrical Engineering (*on leave fall term*)
Marko Loncar, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment
L. Mahadevan, Lola England Professor of Applied Mathematics (*on leave 2006-07*)
Scot T. Martin, Gordon McKay Professor of Environmental Chemistry (*Director of Undergraduate Studies*)
Michael B. McElroy, Gilbert Butler Professor of Environmental Studies
Ralph Mitchell, Gordon McKay Professor of Applied Biology
David J. Mooney, Gordon McKay Professor of Bioengineering
Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences, Professor of Physics, Dean of the School of Engineering and Applied Sciences
Kevin K. Parker, Assistant Professor of Biomedical Engineering on the Gordon McKay Endowment
James R. Rice, Mallinckrodt Professor of Engineering Sciences and Geophysics (*on leave spring term*)
Peter P. Rogers, Gordon McKay Professor of Environmental Engineering (*on leave spring term*)
Maurice A. Smith, Assistant Professor of Bioengineering on the Gordon McKay Endowment
Sumeeta Srinivasan, Research Associate in Environmental Systems, Lecturer on Engineering Sciences, Preceptor in Government
Garrett B. Stanley, Associate Professor of Biomedical Engineering on the Gordon McKay Endowment
Howard A. Stone, Vicky Joseph Professor of Engineering and Applied Mathematics
Zhigang Suo, Allen E. and Marilyn M. Puckett Professor of Mechanics and Materials
Vahid Tarokh, Perkins Professor of Applied Mathematics (*on leave fall term*)
Ashkan Vaziri, Lecturer on Engineering Sciences
Joost J. Vlassak, Associate Professor of Materials Engineering on the Gordon McKay Endowment, Gordon McKay Professor of Materials Engineering
Mai H. Vu, Lecturer on Engineering Sciences
Gu-Yeon Wei, Associate Professor of Electrical Engineering on the Gordon McKay Endowment
David A. Weitz, Mallinckrodt Professor of Physics and of Applied Physics
Steven C. Wofsy, Abbott Lawrence Rotch Professor of Atmospheric and Environmental Science
Patrick J. Wolfe, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment
Robert J. Wood, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment
Woodward Yang, Gordon McKay Professor of Electrical Engineering and Computer Science
Todd Zickler, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment

Other Faculty Offering Instruction in Engineering Sciences

Xiao-Li Meng, Professor of Statistics

The Division of Engineering and Applied Sciences (www.deas.harvard.edu) offers undergraduate and graduate courses in Applied Mathematics, Applied Physics, Computer Science, Earth and Planetary Sciences, and Engineering Sciences. Recommended course programs at the undergraduate level may be obtained from the Academic Office, Pierce Hall 110.



Division faculty also offer several courses in the section entitled General Education Electives.

For information concerning concentration in Engineering Sciences, please consult the Co-Directors of Undergraduate Studies or the Academic Office, Division of Engineering and Applied Sciences, Pierce Hall 110.

Primarily for Undergraduates

Engineering Sciences 6. Environmental Science and Technology

Catalog Number: 2969

Scot T. Martin

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An introduction to the role of technology in environmental sciences with an emphasis on solving problems concerning human use and control of the environment. Cases from aquatic, terrestrial, and atmospheric environments are discussed. In each setting the basic scientific principles underlying engineering control are emphasized. Occasional field trips are part of the course. The course presumes basic knowledge in chemistry, physics, and mathematics at the high school level.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science B.

***Engineering Sciences 50. Introduction to Electrical Engineering**

Catalog Number: 4499

Todd Zickler

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

A discussion of topics of central importance to the fields of electronics, communications and intelligent systems. The material concerns both the qualitative and quantitative analysis, as well as laboratory experiments and computer simulations. Examples of topics to be discussed range from relatively simple modules such as analog amplifiers and digital adders, to complex devices such as cell-phones and their supporting infrastructure.

Note: Students who have taken 100-level courses in electrical engineering will not be allowed to enroll in Engineering Sciences 50. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Engineering Sciences 51. Computer-Aided Machine Design

Catalog Number: 0322

Robert D. Howe

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

A first course in the design and construction of mechanical and electromechanical devices. Engineering graphics and sketching; dimensions and tolerances. Introduction to materials selection and structural design. Machine elements and two-dimensional mechanisms; DC motors. Design methodology. Emphasis on laboratory work and design projects using professional solid modeling CAD software and numerically controlled machine tools.

Note: Open to freshmen, sophomores, and juniors.

Prerequisite: Mathematics 1b (may be taken concurrently); high school physics.



Engineering Sciences 53. Quantitative Physiology as a Basis for Bioengineering - (New Course)

Catalog Number: 3604

Maurice A. Smith and Kevin K. Parker

Half course (spring term). Tu., Th., 10–11:30, plus three hours per week of laboratory to be arranged. EXAM GROUP: 12, 13

A foundation in human organ systems physiology, including cardiac, respiratory, renal, gastrointestinal, and neural systems. Quantitative description of organ systems function and control in terms of physical principles and physiologic mechanisms. Simple mathematical models representing key aspects of organ systems function. Emphasis will be given to understanding the ways in which dysfunction in these systems gives rise to common human disease processes.

Note: Open to freshmen.

***Engineering Sciences 91r. Supervised Reading and Research**

Catalog Number: 1113

Scot T. Martin and Marie D. Dahleh

Half course (fall term; repeated spring term). Hours to be arranged.

Guided reading and research.

Note: Normally open to candidates accepted for work on a specific topic by a member of the teaching staff of the Division of Engineering and Applied Sciences. Normally may not be taken for more than two terms; may be counted for concentration in Engineering Sciences if taken for graded credit. Applicants should file a project sheet before study cards are filed. Project sheets may be obtained from the Academic Office, Pierce Hall 110.

***Engineering Sciences 96. Engineering Design Seminar**

Catalog Number: 8461 Enrollment: Limited to 25.

Woodward Yang and Frederick H. Abernathy

Half course (spring term). M., Th., at 4–5:30.

Group project selected to provide experience in the processes and practice of engineering problem definition and solution as well as design and evaluation. As part of the course, the class may participate in an off-site field trip. The design seminar is ordinarily taken in the spring term of the junior year.

Note: Preference given to SB candidates.

Cross-listed Courses

***Freshman Seminar 21s. Germs**

For Undergraduates and Graduates

Additional courses of interest to students in Electrical Engineering include: Computer Sciences 141, 143, and 148.

***Engineering Sciences 100. Engineering Design Projects**



Catalog Number: 4268

Robert D. Howe

Half course (fall term; repeated spring term). Th., 4–6. EXAM GROUP: 18

Individual design projects selected to provide experience in the processes and practice of engineering design. Requires proficiency in electronic circuit construction as well as mechanical materials fabrication techniques.

Note: Ordinarily taken in the senior year. This one-term version of *Engineering Sciences 100hf is open only to students in special circumstances. Enrolled students are required to file a proposed project form with the Academic Office early in the term. Project forms are available in Pierce Hall 110. Project approval rests with the faculty Engineering Design Review Board.

Prerequisite: *Engineering Sciences 96.

***Engineering Sciences 100hf. Engineering Design Projects**

Catalog Number: 7535

Robert D. Howe

Half course (throughout the year). Fall: F., at 11; Spring: Th., 4–6. EXAM GROUP: Fall: 4; Spring: 18

Individual design projects selected to provide experience in the processes and practice of engineering design. Requires proficiency in electronic circuit construction as well as mechanical fabrication techniques.

Note: Ordinarily taken in the senior year. Enrolled students are required to file a proposed project form with the Academic Office early in the term. Project forms are available in Pierce Hall 110. Project approval rests with the faculty Engineering Design Review Board.

Prerequisite: *Engineering Sciences 96.

Engineering Sciences 101. Applied Statistics

Catalog Number: 3350

Patrick J. Wolfe

Half course (fall term). M., W., 2–3:30. EXAM GROUP: 7, 8

Broad introductory course for students in the applied sciences. Probability, statistical inference, estimation and stochastic processes introduced through the solution of several problems in applied science (e.g., environmental sciences, decision analysis, chemical kinetics, fluid and solid mechanics, and oceanography). Course deals with the material covered in more theoretical detail in Statistics 110, 111, and 139, in approximately equal proportions with more emphasis on applications. Computer exercises will be required.

Note: No previous knowledge of statistics or probability is presumed.

Prerequisite: Applied Mathematics 21b or Mathematics 21b or equivalent.

[Engineering Sciences 102. Introduction to Operations Research]

Catalog Number: 2844

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Introduction to analytical and numerical methods for optimization of deterministic and stochastic systems; survey of linear and nonlinear programming, game theory, decision analysis, Markov chains, queuing theory and simulation. Examples taken from a variety of fields. A conceptual introduction to materials covered in depth in Engineering Sciences 201, 202, and 210. Segments



of the weekly problem sets can be done on PCs, if desired.

Note: Expected to be given in 2007–08. Students who have no background in probability should be prepared to do some extra work. Some PC experience useful but not essential.

Prerequisite: Applied Mathematics 21b or Mathematics 21b and some knowledge of probability and statistics at the level of Statistics 110 or Engineering Sciences 101.

Engineering Sciences 103. Spatial Analysis of Environmental and Social Systems

Catalog Number: 9277

Sumeeta Srinivasan

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Introduces the fundamental statistical and mapping tools needed for analysis of environmental systems. Topics will be linked by environmental and social themes and will include GIS concepts; data models; spatial statistics; density mapping; buffer zone analysis; surface estimation; map algebra; suitability modeling. Students will acquire technical skills in both mapping and spatial analysis. Software packages used will include ArcGis. There will be guest lectures by researchers and practitioners who use GIS for spatial analysis.

Prerequisite: Applied Mathematics 21 or equivalent.

Engineering Sciences 109. Science Fictions

Catalog Number: 5988

Cornelia Dean

Half course (spring term). Tu., 1–4. EXAM GROUP: 15, 16, 17

Political, economic or other imperatives skew public debates on issues in which science plays an important part. Seminar discusses why this is possible and how it plays out. Will deal with the public's knowledge of and attitudes toward science, the way people reason and perceive risk, the privatization of the nation's research agenda, and the politicization of science.

Engineering Sciences 120. Introduction to the Mechanics of Solids

Catalog Number: 1493

Joost J. Vlassak

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

A first course in the mechanical sciences which introduces elements of continuum mechanics and explains how materials and structures stretch, bend, twist, shake, buckle, and break. Stress-strain behavior of materials. Statically determinate and indeterminate structures. Stress and strain, equations of motion or equilibrium, strain-displacement relations. Stress waves. Torsion. Beam theory with applications to beam deflections, vibrations, and buckling. Four laboratory sessions required.

Prerequisite: Physics 11a or 15a, and Applied Mathematics 21a or Mathematics 21a (previously) and Applied Mathematics 21b or Mathematics 21b (previously or concurrently).

***Engineering Sciences 122 (formerly Engineering Sciences 119r). Cellular Engineering**

Catalog Number: 8439

Kevin K. Parker

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Summary of the physical laws governing cellular homeostasis; role of the tissue microenvironment on cell life, death, and differentiation; control of cellular function and genetic



programs by adhesion to substrates; signal transduction pathways and cellular metabolic control; mechanochemical and mechano-electrical signal transduction; cell motility; clinical and industrial applications of engineered cells.

Prerequisite: Inorganic chemistry, cell biology, physics, and mathematics at the level of Applied Mathematics 21 or Mathematics 21. Suggested courses include organic chemistry and molecular biology.

Engineering Sciences 123. Introduction to Fluid Mechanics and Transport Processes

Catalog Number: 8323

Howard A. Stone

Half course (spring term). M., W., F., at 10, and laboratory. EXAM GROUP: 3

Dimensional analysis. Basic elements of steady and unsteady thermal conduction and mass diffusion. Statics and dynamics of fluids. Buoyancy-stability and hydrostatics. Laminar viscous flows, potential flows, origin of lift, and basic aspects of boundary layers. Navier-Stokes and continuity equations. Gravity waves and open channel flows. Applications in aerodynamics, biomedical, chemical, environmental, and mechanical engineering, biology, and physics. Introduction to finite-element computational software.

Prerequisite: Applied Mathematics 21a,b or Mathematics 21a,b.

Engineering Sciences 125. Mechanical Systems

Catalog Number: 7274

Robert J. Wood

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

Modeling and analysis of mechanical and some electromechanical systems. Topics include resonance, damping, frequency response, Laplace Transform methods, Lagrange's equations, multiple degree-of-freedom and continuous systems, and 3-D rigid body dynamics. Computer exercises on simulation of linear and nonlinear dynamic systems. Laboratory: experiments on vibration, stabilization, and complex dynamical systems using modern electronic instrumentation and data reduction systems. Computer simulations of a few systems will become laboratory exercises.

Note: May not be taken for credit in addition to Physics 151.

Prerequisite: Applied Mathematics 21a,b or Mathematics 21a,b or Mathematics 23a,b; Physics 11a or 15a.

Engineering Sciences 128. Computational Solid and Structural Mechanics

Catalog Number: 0359

Ashkan Vaziri

Half course (fall term). M., W., F., at 10 and a weekly section to be arranged. EXAM GROUP: 3

Foundations of continuum mechanics, conservation laws, stress, strain, and constitutive behavior. Development of elasticity theory. Basic problems of stressing and deformation. Focus on computer analysis using the finite-element method. Plane stress and strain, torsion, wave propagation, vibrations, thin-walled structures, creep, plasticity and fracture. In computer implementation, students develop simple finite-element analyses using the general-purpose program ABAQUS, and do a project addressing a significant problem arising in mechanical, civil or materials engineering, biomechanics, or earth science.

Note: Students who wish to cover the same material at a more advanced level should take



Engineering Sciences 240.

Prerequisite: Engineering Sciences 120 or equivalent introduction to the mechanics of deformable materials.

Engineering Sciences 130. Tissue Engineering

Catalog Number: 3169

David J. Mooney

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Fundamental engineering and biological principles underlying field of tissue engineering, along with examples and strategies to engineer specific tissues for clinical use. Students will prepare a paper analyzing a current tissue engineering strategy, or proposing a new approach to a current challenge.

Prerequisite: Biochemistry or cell biology background.

Engineering Sciences 139. Innovation in Science and Engineering: Conference Course

Catalog Number: 0994 Enrollment: Limited to 28.

David A. Weitz and Thomas C. Esselman

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Explores factors and conditions contributing to innovation in science and engineering; how important problems are found, defined, and solved; roles of teamwork and creativity; and applications of these methods to other endeavors. Students receive practical and professional training in techniques to define and solve problems, and in brainstorming and other individual and team approaches.

Note: Taught through a combination of lectures, discussions, and exercises led by innovators in science, engineering, arts, and business.

[Engineering Sciences 142. Orthopedic Biomechanics]

Catalog Number: 6149

Half course (fall term). M., W., 3–4:30. EXAM GROUP: 8, 9

Introductory course in biomechanics as applied to orthopedic science. Review of anatomy, kinematics, and solid mechanics for the musculoskeletal system. Emphasis on the mechanics of joints (movement, force transmission), bone, soft tissues (e.g., cartilage, ligament, muscle) and cellular mechanics. Examples from emerging technologies including imaging, cellular mechanics, and tissue engineering.

Note: Expected to be given in 2007–08. Given in alternate years.

Prerequisite: Mathematics 21a,b or Applied Mathematics 21a,b; Physics 11a or 15a; Engineering Sciences 120 or equivalent introductory solid mechanics course.

[Engineering Sciences 144. Introduction to Global Health Pharmaceutical Development]

Catalog Number: 3580

David A. Edwards

Half course (spring term). Th., 3–6. EXAM GROUP: 17, 18

Introduces undergraduate students to early stage startup (public and private) pharmaceutical organizations targeted at healthcare in the developing worlds. Students analyze the developing world healthcare problem, new medical science technologies that can help resolve it, as well as



business plans while learning of pharmaceutical and biotechnology development from discovery to commercialization.

Note: Expected to be given in 2007–08. Given in alternate years.

Prerequisite: Permission of the instructor recommended.

Engineering Sciences 145. Physiological Systems Analysis

Catalog Number: 8197

Garrett B. Stanley and guest lecturers

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

A survey of systems theory with applications from bioengineering and physiology. Analysis: differential equations, linear and nonlinear systems, stability, the complementary nature of time and frequency domain methods, feedback, and biological oscillations. Applications: nerve function, muscle dynamics, cardiovascular regulation. Laboratory: neural models, feedback control systems, properties of muscle, cardiovascular function.

Prerequisite: Applied Mathematics 21b or Mathematics 21b or equivalent. Physiology at the level of Engineering Sciences 53 suggested.

***Engineering Sciences 147. Idea Translation: Effecting Change through the Arts and Sciences - (New Course)**

Catalog Number: 9676 Enrollment: Limited to 30.

David A. Edwards

Half course (fall term). M., 1–4. EXAM GROUP: 6, 7, 8

How are ideas generated through arts and sciences, and then "translated" into practices? This introduction to idea generation and development addresses their effects in social, economic, intellectual and cultural change. Students from all disciplines are guided by experts through individual and group idea translation projects. Significant in-class time devoted to group projects. Factors of effective idea translation focused through case studies, debate and interaction with visiting translators (e.g., theater directors, entrepreneurs, historians, composers, and others).

Note: Open to sophomores, juniors, and seniors by permission of instructor.

[Engineering Sciences 148. Neural Signal Processing]

Catalog Number: 0495

Garrett B. Stanley and guest lecturers

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Examines the generation, transmission, and processing of signals in single nerve cells and in neural ensembles, with emphasis on physical principles and contemporary mathematical models. Develops relevant analytical techniques, including systems theory, filtering, Fourier analysis, stochastic processes, estimation, and network theory. Special attention is given to the physiology of the mammalian visual system.

Note: Expected to be given in 2007–08. Given in alternate years.

Prerequisite: Applied Mathematics 21a or Mathematics 21a and physics at the level of Physics 15b. Engineering Sciences 145 is ideal preparation; MCB 80 may compensate for lesser preparation in mathematics or physics.

Engineering Sciences 149. Neural Control of Movement - (New Course)

Catalog Number: 0440



Maurice A. Smith

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Approaches from robotics, control theory, and neuroscience for understanding biological motor systems. Analytical and computational modeling of muscles, reflex arcs, and neural systems that contribute to motor control in the brain. Focus on understanding how the central nervous system plans and controls voluntary movement of the eyes and limbs. Learning and memory; effects of variability and noise on optimal motor planning and control in biological systems.

Note: Expected to be omitted in 2007–08. Given in alternate years.

Prerequisite: Mathematics 21b or Applied Mathematics 21b or equivalent, probability and statistics, Physics 11a or equivalent.

Engineering Sciences 150. Probability with Applications in Electrical Engineering

Catalog Number: 8997

Mai H. Vu

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

An introduction to basic probabilistic ideas that find application in the study of communications and systems. Topics include: random variables, distributions and densities. Probabilistic models in engineering. Markov chains and other discrete time stochastic processes. Conditional probabilities, Bayes' rule and application to the estimation of the value of a stochastic process. Examples from communication theory; characterization of communication channels.

Introduction to decision theory and application to the control of uncertain systems.

Prerequisite: Mathematics 21a or Applied Mathematics 21a, and Mathematics 21b or Applied Mathematics 21b.

Engineering Sciences 151. Electromagnetic Engineering

Catalog Number: 5742

Donhee Ham

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Electromagnetism and its applications in modern science and technology, with special emphasis on wireless and fiber-optic communications. Topics include transmission lines and microwave circuits, Maxwell's equations, electromagnetic waves in free space, matter, and waveguides, ray optics, and antennae. Applications of electromagnetism in ultra-fast integrated circuits, wireless networking, and radio astronomy are also discussed to place the electromagnetic theory in practical contexts of the present-day science research and communication technology.

Prerequisite: Basic electromagnetism (Physics 11b or 15b or equivalent), basic circuit analysis (Engineering Sciences 50 or Engineering Sciences 154 or equivalent), basic vector calculus (Applied Math 21a or equivalent), basic differential equations (Applied Math 21b or equivalent) and familiarity with Fourier analysis (some part of Applied Math 105a or ES 156 or equivalent).

Engineering Sciences 154. Electronic Devices and Circuits

Catalog Number: 6319

Woodward Yang

Half course (fall term). Tu., Th., 2:30–4, and laboratory to be arranged. EXAM GROUP: 16, 17

Analysis and design of electronic circuits using semiconductor devices. Topics include operational amplifier circuits; the physics of semiconductors; models of bipolar and field effect transistors; basic diode and transistor circuits; linear and nonlinear analysis of electronic circuits;



computer simulation of electronic circuits with SPICE; analysis of analog circuit designs; digital integrated circuits and logic-families. Additional laboratories illustrate techniques for measurement and design of real electronic circuits.

Prerequisite: Differential equations and Fourier series as in Applied Mathematics 21b or Mathematics 21b, and electricity and magnetism as in Physics 11b or 15b.

Engineering Sciences 156. Signals and Systems

Catalog Number: 6284

Mai H. Vu

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Time and frequency domain representations and analysis of signals and systems. Convolution and linear input-output systems in continuous and discrete time. Fourier transforms and Fourier series for continuous- and discrete-time signals. Laplace and Z transforms. Analog and digital filtering. Modulation. Sampling. FFT. Applications in circuit analysis, communication, control, and computing.

Prerequisite: Applied Mathematics 21b or Mathematics 21b.

Engineering Sciences 157. Speech and Audio Processing

Catalog Number: 1724

Patrick J. Wolfe

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Introduction to speech and audio processing, including both mathematical models and practical applications thereof. Time-frequency analysis, synthesis, modification, and coding of information-carrying natural sound signals; relevant aspects of acoustics and auditory perception; fundamental contemporary applications and methodologies.

Prerequisite: Engineering Sciences 156 or equivalent.

Engineering Sciences 158. Digital Communications

Catalog Number: 7721

Aleksandar Kavcic

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Examines the fundamental theories behind modern digital communication systems. Topics include: fundamental limits on communications, channel coding theorem, channel capacity theorem; baseband communications, orthogonal signal bases, matched filter receiver; digital representations of analog signals, sampling; waveform coding; baseband waveform coding; baseband waveform shaping, pulse amplitude modulation and intersymbol interference channels; digital modulation techniques; elements of error-control coding/decoding, viterbi decoding/detection; elements of spread-spectrum communications.

Prerequisite: Engineering Sciences 156 and a course in probability theory and/or statistics.

Engineering Sciences 159. Introduction to Robotics

Catalog Number: 3126

Robert J. Wood

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Introduction to computer-controlled robotic manipulators. Topics include coordinate frames and transformations, kinematic structure and solutions, statics and dynamics of serial and parallel



chain manipulators, control and programming, introduction to path planning, introduction to teleoperation, robot design, and actuation and sensing devices. Laboratory exercises provide experience with industrial robot programming and robot simulation and control.

Prerequisite: Computer Science 50, and either Engineering Sciences 125 or 156.

[Engineering Sciences 162. Environmental Hydrodynamics and Hydrology]

Catalog Number: 4163

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Introduces hydrological principles and the fluid mechanics of natural waters in the environment. Topics include the hydrological cycle, water budgets, evapotranspiration, precipitation, infiltration, snowmelt and runoff. Discusses groundwater flow, free-surface flow, boundary layers, channelization and river networks. Processes described in lakes, rivers, and estuaries include sedimentation, convection, freezing, stratification, and gravity waves.

Note: Expected to be given in 2007–08. Students who desire to take the course for graduate credit should enroll in Engineering Sciences 262.

Prerequisite: Applied Mathematics 21b, or equivalent.

[Engineering Sciences 165. Introduction to Environmental Engineering]

Catalog Number: 4274

Peter P. Rogers

Half course (spring term). M., W., 3:30–5. EXAM GROUP: 8, 9

Introduces engineering technologies for the control of the environment and relates them to underlying scientific principles. Efficient design of environmental management facilities and systems. Cases from aquatic, terrestrial, and atmospheric environments discussed.

Note: Expected to be given in 2007–08. For undergraduates or graduates without background in environmental engineering.

Prerequisite: Exposure to the material in Applied Mathematics 21a or 21b (or equivalent), Engineering Sciences 101 and Chemistry 7 is recommended.

[Engineering Sciences 167. Environmental Assessment]

Catalog Number: 6885

Peter P. Rogers

Half course (fall term). M., W., 3:30–5. EXAM GROUP: 8, 9

Examines the methods and approaches to environmental impact assessment currently being used and new approaches which rely on improved scaling and index development. Models of impact and indices for air, water, and land impacts will be examined using data from Asia and North America. Cost-of-remediation and environmental elasticity indicators will be examined and their use in engineering design and regulation of the environment will be assessed.

Note: Expected to be given in 2007–08.

Prerequisite: Familiarity with the material of Engineering Sciences 6 and Social Analysis 10.

[Engineering Sciences 168. Aquatic Chemistry]

Catalog Number: 5874

Scot T. Martin

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16



Applications of organic, inorganic, and physical chemistry to describe and quantify processes occurring in natural waters. Thermodynamics and kinetics of aqueous solutions, acid-base chemical transformations, role of dissolved carbon dioxide, gas-water exchange, complexation of aqueous metal ions, precipitation and dissolution, oxidation and reduction, electrical aspects of solid-solution interfaces, particle aggregation, trace metal cycling, and photochemistry.

Note: Expected to be given in 2007–08. Given in alternate years.

Prerequisite: Chemistry 5 and 7 or equivalent.

Engineering Sciences 173. Electronic and Photonic Semiconductor Devices

Catalog Number: 3490

Federico Capasso

Half course (spring term). W., F., 1–2:30. EXAM GROUP: 6, 7

Covers key topics in electronic and photonic devices. Basic concepts of semiconductor physics and energy band diagrams. P-n junctions. Bipolar Transistors. MOSFETS; JFETS, MESFETS. Semiconductor heterostructures and quantum wells. Modulation doping and high electron mobility transistors. LEDs, laser diodes and double heterostructure lasers. Quantum well lasers. Photodetectors: pin photodiodes, avalanche photodiodes. Modulators. Quantum cascade lasers.

Prerequisite: Physics 11a and b, or Physics 15a and b; undergraduate level quantum mechanics such as Physics 143.

Engineering Sciences 174. Photonic and Electronic Device Laboratory

Catalog Number: 3178

Kenneth B. Crozier

Half course (spring term). M., at 9 and a weekly 3-hour laboratory session. EXAM GROUP: 2
Physics and fabrication of photonic and electronic devices. Laboratory experiments and lectures on semiconductor lasers, photodetectors and optical fibers. Students use cleanroom to fabricate MOSFETs. Fabrication lectures on lithography, deposition, etching, oxidation, implantation, diffusion and electrical characterization. Suitable for undergraduate and graduate students wishing to gain fabrication experience.

Prerequisite: Physics 11a and Physics 11b; or Physics 15a and 15b.

Engineering Sciences 181. Engineering Thermodynamics

Catalog Number: 3889

Michael J. Aziz

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Introduction to engineering thermodynamics with emphasis on classical thermodynamics. Topics: zeroth law and temperature. Properties of single-component gases, liquids, and solids; steam tables. Equations of state for ideal and simple nonideal substances. First law, heat and heat transfer, work, internal energy, enthalpy. Second law, entropy, free energy. Third law. Heat engines and important engineering applications such as refrigerators, power cycles. Properties and simple models of solutions. Phase and chemical equilibrium in multicomponent systems; chemical potential. Laboratory included.

Prerequisite: Physics 11 or 15 and Applied Mathematics or Mathematics 21; chemistry at the level of a good secondary school course or Chemistry 5.



Engineering Sciences 190. Introduction to Materials Science and Engineering

Catalog Number: 6973

David J. Mooney

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Introduction to the structure, properties, and applications of materials. Crystal structure and defects. Phase transformations: phase diagrams, diffusion, nucleation and growth. Mechanisms of deformation and fracture. Effect of microstructure on properties. Biological and biomedical materials (proteins, drug delivery devices, medical implants) are extensively used as examples. *Prerequisite:* Engineering Sciences 181 or equivalent, Physics 11 or 15, and Applied Mathematics 21a,b or Mathematics 21a,b.

Cross-listed Courses

[Earth and Planetary Sciences 108. Environmental Geomechanics]

Earth and Planetary Sciences 133. Atmospheric Chemistry

MCB 131. Computational Neuroscience

Primarily for Graduates

Additional courses of interest to graduate students in Electrical Engineering includes Computer Sciences 246r. Additional courses of interest to graduate students in Decision, Control, and Communication include Economics 2010a, 2010b, 2010c, 2120, 2140; Statistics 110, 171.

Engineering Sciences 201. Decision Theory

Catalog Number: 2362

Roger W. Brockett

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Mathematical analysis of decision making. Bayesian inference and risk. Maximum likelihood and nonparametric methods. Algorithmic methods for decision rules: perceptrons, neural nets, and back propagation. Hidden Markov models, Blum-Welch, principal and independent components.

Prerequisite: Applied Mathematics 21a,b or Mathematics 21a,b, and Statistics 110 or equivalents.

Engineering Sciences 202. Estimation and Control of Dynamic Systems

Catalog Number: 5080

Navin Khaneja

Half course (fall term). M., W., 4–5:30. EXAM GROUP: 9

Study of dynamical systems with deterministic and stochastic inputs. Controllability and observability, linear quadratic control, dynamic programming and the Pontryagin maximum principle, Stochastic models and Kalman-Bucy filtering. Applications from engineering, and economics.

Prerequisite: Linear differential equations, matrix algebra, and introductory probability as covered in Mathematics 21a, b and Engineering Sciences 150 or equivalents.


[Engineering Sciences 203. Stochastic Control]

Catalog Number: 6982

Navin Khaneja
Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Introduction to the theory of stochastic differential equations based on Wiener processes and Poisson counters, and an introduction to random fields. The formulation and solution of problems in nonlinear estimation theory. The Kalman-Bucy filter and nonlinear analogues. Identification theory. Adaptive systems. Applications.

Note: Expected to be given in 2007–08.

Prerequisite: Applied Mathematics 105a,b or equivalent. Some prior exposure to probability; Engineering Sciences 202 desirable but not essential.

***Engineering Sciences 207. Communicating Science**

Catalog Number: 5993 Enrollment: Limited to 20.

Cornelia Dean
Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Many important public issues have strong science components but, generally, scientists are missing from public debates. This seminar discusses how the relative silence of scientists weakens our national discourse and encourages participation in this discourse.

Note: Through writing exercises, role playing, and the like, seminar offers practical suggestions on how to communicate scientific information in an engaging and useful fashion.

Engineering Sciences 209. Nonlinear Control Systems

Catalog Number: 1194

Roger W. Brockett
Half course (fall term). Hours to be arranged.

Study of nonlinear input-output systems including controllability, observability, uniqueness of models, stability, and qualitative behavior of nonlinear dynamical systems. Differential geometry and Lie theory methods developed to study control of classical and quantum mechanical systems.

[Engineering Sciences 210. Mathematical Programming]

Catalog Number: 5499

Donald G. M. Anderson
Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Introduction to basic optimization techniques. Linear programming: the simplex method and related algorithms, duality theory, interior-point methods. Unconstrained optimization, nonlinear programming, convexity.

Note: Expected to be given in 2007–08. Offered in alternate years.

Prerequisite: Applied Mathematics 21a and 21b, or Mathematics 21a and 21b, and Applied Mathematics 120, or equivalent.

[*Engineering Sciences 211. Cardiac Biophysics]

Catalog Number: 3906

Kevin K. Parker
Half course (spring term). W., 1–3 and a weekly section to be arranged. EXAM GROUP: 6, 7

A quantitative examination of cardiac excitation and excitation-contraction coupling. Cardiac



membrane channels, the action potential (Hodgkin-Huxley and Luo-Rudy models), and action potential propagation (cable and bidomain models). Arrhythmias, drugs, and defibrillation.

Note: Expected to be given in 2007–08.

Prerequisite: Electromagnetic field and electric circuit theories, calculus through partial differential equations, cell biology, physiology, and extensive MATLAB programming experience. C programming experience recommended.

[Engineering Sciences 212. Advanced Orthopedic Biomechanics]

Catalog Number: 3856

Half course (fall term). M., W., 3–4:30. EXAM GROUP: 8, 9

Students are expected to meet all of the requirements of Engineering Sciences 142 and in addition are required to write a term paper with significant analytical and engineering emphasis.

Note: Expected to be given in 2007–08. Given in alternate years.

Prerequisite: Mathematics 21a,b or Applied Mathematics 21a,b; Physics 11a or 15a; Engineering Sciences 120 or equivalent introductory solid mechanics course.

[Engineering Sciences 214. Advanced Introduction to Global Health Pharmaceutical Development]

Catalog Number: 2663

David A. Edwards

Half course (spring term). Th., 3–6. EXAM GROUP: 17, 18

Students are expected to meet all of the requirements of Engineering Sciences 144 and in addition are required to complete a project that encourages them to consider a contemporary problem of bioethics related to biotechnology.

Note: Expected to be given in 2007–08. Given in alternate years.

Prerequisite: Students recommended to have some familiarity with organic chemistry or permission of instructor.

[Engineering Sciences 215. Advanced Physiological Systems Analysis](#)

Catalog Number: 5493

Garrett B. Stanley and guest lecturers

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Students expected to meet all of the requirements of Engineering Sciences 145 and in addition required to write a term paper with significant analytic emphasis.

Prerequisite: Applied Mathematics 21b or Mathematics 21b or equivalent. Physiology at the level of Engineering Sciences 53 suggested.

[Engineering Sciences 216. Biological Mechanics]

Catalog Number: 8148

L. Mahadevan

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

Develops and applies continuum and statistical mechanics to biomechanical phenomena. Molecular, cellular and tissue mechanics. Motors, motility and muscle. Sensory physiology and mechanotransduction. Morphogenesis and development. Animal locomotion. Evolutionary mechanics.



Note: Expected to be given in 2007–08. Given in alternate years.

Prerequisite: Knowledge of undergraduate fluid/solid mechanics (or equivalent courses in physics), differential equations.

Engineering Sciences 217. Computational Neuroscience

Catalog Number: 8112

Garrett B. Stanley

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

A range of current topics in computational neuroscience at the systems level are presented. Discussions include spike trains, point processes, encoding/decoding, information theory, adaptation/plasticity, learning, and neural system identification.

Note: Expected to be omitted in 2007–08. Given in alternate years.

Prerequisite: Applied Mathematics 105a and 105b or equivalent, linear algebra, probability and statistics. Coursework in signals and systems and/or control would be ideal.

[Engineering Sciences 218. Advanced Neural Signal Processing]

Catalog Number: 7709

Garrett B. Stanley and guest lecturers

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Students are expected to meet all of the requirements of Engineering Sciences 148 and in addition are required to write a term paper with significant analytic emphasis.

Note: Expected to be given in 2007–08. Given in alternate years.

Prerequisite: Applied Mathematics 21a or Mathematics 21a and physics at the level of Physics 15b. Engineering Sciences 145 is ideal preparation; MCB 80 may compensate for lesser preparation in mathematics or physics.

Engineering Sciences 220. Fluid Dynamics

Catalog Number: 2759

Howard A. Stone

Half course (fall term). M., W., F., at 9. EXAM GROUP: 2

Vector and tensor calculus. Conservation laws; kinematics and constitutive equations. Exact solutions of the Navier-Stokes equations. Lubrication theory and flows at low Reynolds numbers. Potential flows and boundary layer theory. Introduction to turbulent flows, buoyancy-driven motions, and free-surface flows.

Prerequisite: Familiarity with classical mechanics, partial differential equations, and vector and tensor calculus. An undergraduate course in fluid dynamics is strongly recommended.

***Engineering Sciences 221. Drug Delivery - (New Course)**

Catalog Number: 8223 Enrollment: Limited to 30.

Debra T. Auguste

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Methods to deliver molecules to the human body. Physiological obstacles and engineering solutions. Characterization techniques for drug delivery synthesis and in vitro analysis. Case studies of current pharmaceutical products.

Prerequisite: Mathematics 21a,b or Applied Mathematics 21a,b, Chemistry 5 or Life Sciences 1a, Chemistry 7, introductory transport at the level of Engineering Sciences 123, or equivalents.



***Engineering Sciences 222 (formerly Engineering Sciences 219r). Advanced Cellular Engineering**

Catalog Number: 0696

Kevin K. Parker

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Students are expected to meet all requirements of Engineering Sciences 122 and to give a presentation on a cellular engineering topic of their choosing, subject to instructor approval, with handouts, homework, and examination questions.

Prerequisite: Inorganic chemistry, cell biology, physics, and mathematics at the level of Applied Mathematics 21 or Mathematics 21. Suggested courses include organic chemistry and molecular biology.

[Engineering Sciences 225r. Special Topics in Fluid Dynamics]

Catalog Number: 3982

L. Mahadevan and Howard A. Stone

Half course (spring term). M., 4–6:30. EXAM GROUP: 9

Will provide an overview of fluid dynamics and transport processes relevant to microfluidics. Topics to be discussed include electrically driven flows, multiphase flows, dispersion, mixing, suspended particles, etc.

Note: Expected to be given in 2007–08.

Engineering Sciences 230 (formerly Engineering Sciences 223). Advanced Tissue Engineering

Catalog Number: 5718

David J. Mooney

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Fundamental engineering and biological principles underlying field of tissue engineering, along with examples and strategies to engineer specific tissues for clinical use. Student design teams research, write up, and present a formal proposal for a research project.

Prerequisite: Biochemistry or cell biology background.

Engineering Sciences 239. Advanced Innovation in Science and Engineering: Conference Course

Catalog Number: 8303 Enrollment: Limited to 28.

David A. Weitz and Thomas C. Esselman

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Students are expected to meet all the requirements of Engineering Sciences 139 and in addition are required to prepare an individual term project with significant analytic emphasis in an area of scientific or technological innovation.

Engineering Sciences 240. Solid Mechanics

Catalog Number: 2984

Zhigang Suo

Half course (fall term). M., W., F., at 10 and a weekly section to be arranged. EXAM GROUP: 3

Foundations of continuum mechanics, development of elasticity theory, and introduction to plasticity and creep. Elastic waves. Basic elasticity solutions. Variational principles.



Prerequisite: Applied Mathematics 105b or equivalent; introduction to solid mechanics at the level of Engineering Sciences 120, or Earth and Planetary Sciences 108 or 166, or Applied Physics 293.

Engineering Sciences 241. Advanced Elasticity

Catalog Number: 6711

Zhigang Suo

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Mechanics of finite deformation; buckling instability. Thermodynamics of continua; thermoelasticity. Basic three-dimensional problems; inclusions and inhomogeneities. Plane elasticity and complex variable methods. Crack solutions. Elastic waves, vibrations.

Prerequisite: Engineering Sciences 240 and Applied Mathematics 201 or equivalents.

Engineering Sciences 242r. Solid Mechanics: Advanced Seminar

Catalog Number: 5379

John W. Hutchinson and Zhigang Suo

Half course (spring term). Tu., Th., 1:30–3. EXAM GROUP: 15, 16

Fracture mechanics: fundamentals and applications. Topics bridge from atomistic processes to mesoscopic phenomena to engineering applications. Thin films, multilayers and coatings will be given particular attention.

Prerequisite: Engineering Sciences 240 or equivalent.

Engineering Sciences 246. Plasticity

Catalog Number: 4271

Joost J. Vlassak

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Phenomenological theories for strain hardening materials; flow and deformation theories. Variational principles and other general theorems. Mechanisms of plastic deformation, physical theories for strain hardening materials, and polycrystals. Ideal plasticity. Boundary value problems, plastic collapse, buckling of structures.

Prerequisite: Engineering Sciences 240, or equivalent.

[Engineering Sciences 247. Fracture Mechanics]

Catalog Number: 7152

Joost J. Vlassak

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Fundamentals of fracture with applications in materials and structural mechanics. Micromechanics of fracture in ceramics, metals, and polymers. Fracture of composite materials. Interfacial fracture mechanics. Fatigue crack propagation.

Note: Expected to be given in 2007–08.

Prerequisite: Engineering Sciences 240 or equivalent.

Engineering Sciences 249. Advanced Neural Control of Movement - (New Course)

Catalog Number: 3145

Maurice A. Smith

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13



Students expected to meet all of the requirements of Engineering Sciences 149 and in addition to submit a term project with significant analytic content.

Note: Expected to be omitted in 2007–08. Given in alternate years.

Prerequisite: Mathematics 21b or Applied Mathematics 21b or equivalent, probability and statistics, Physics 11a or equivalent.

Engineering Sciences 250. Information Theory

Catalog Number: 8606

Patrick J. Wolfe

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Fundamental concepts of information theory and applications to signal processing, communications, and statistics. Entropy, differential entropy, and mutual information; data compression and rate distortion theory; channel capacity, coding, and the Gaussian channel; network information theory.

Prerequisite: Knowledge of probability theory to the level of Engineering Sciences 150, Statistics 110, or equivalent; familiarity with conditional probabilities, vector-valued random variables, and the expectation operator.

[Engineering Sciences 251. Signal and Image Processing and Inference Using Wavelets]

Catalog Number: 3211

Patrick J. Wolfe and Xiao-Li Meng

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Meets with Statistics 251 but with additional emphasis on signal and image processing. Theory of time-frequency/time-scale methods, methodologies for and motivated by statistical inference and missing-data problems, associated computational algorithms, and fundamental engineering applications.

Note: Expected to be given in 2007–08.

Prerequisite: Engineering Sciences 156 or equivalent, knowledge of probability theory and/or statistics at the level of Statistics 110/111 or above, and programming experience; or permission of instructor.

[Engineering Sciences 255. Detection and Estimation Theory and Applications]

Catalog Number: 9816

Patrick J. Wolfe

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Statistical decision theory; hypothesis testing; linear and non-linear estimation; maximum likelihood and Bayes approaches; stochastic processes and systems; signal detection and estimation in noise; Wiener and Kalman filtering; applications to physical, chemical, and biological systems.

Note: Expected to be given in 2007–08.

Prerequisite: Knowledge of probability theory and calculus.

Engineering Sciences 257. Advanced Speech and Audio Processing

Catalog Number: 5006

Patrick J. Wolfe

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13



Students are expected to meet all the requirements of Engineering Sciences 157 and in addition are required to prepare a more substantial term project at a level on par with current research in the field.

Prerequisite: Engineering Sciences 156 or equivalent.

Engineering Sciences 258. Advanced Digital Communications

Catalog Number: 8645

Aleksandar Kavcic

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Course requirements are similar to Engineering Sciences 158, with the exception that students enrolled in Engineering Sciences 258 are required to prepare a term project analyzing current research in a specific area of digital communications.

Prerequisite: Engineering Sciences 156 and a course in probability theory and/or statistics.

Engineering Sciences 259. Advanced Introduction to Robotics

Catalog Number: 3671

Robert J. Wood

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Course requirements are similar to Engineering Sciences 159, with the exception that students enrolled in Engineering Sciences 259 are required to prepare a term project analyzing current research in a specific problem area within Robotics.

Prerequisite: Computer Science 50 and either Engineering Sciences 125 or 156.

[Engineering Sciences 260. Engineering Systems for Environmental Control]

Catalog Number: 1180

Joseph J. Harrington

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Engineering aspects of provision of drinking water; collection and disposal of wastewater. Best management practices for stormwater control. Data collection and processing for monitoring and operation of environmental control systems.

Note: Expected to be given in 2007–08.

Prerequisite: Engineering Sciences 123 or permission of instructor.

Engineering Sciences 261. Design of Water Resource Systems

Catalog Number: 3919

Peter P. Rogers

Half course (fall term). M., W., 3:30–5. EXAM GROUP: 8, 9

Design of evaluation and management systems for water resources. Uses techniques of operations research for planning integrated water resources systems. Applications to water supply, irrigation hydropower, environmental protection, and conservation of wildlife.

Note: Expected to be omitted in 2007–08. Given in alternate years.

Prerequisite: Applied Mathematics 21b or Mathematics 21b or equivalent.

[Engineering Sciences 262. Advanced Environmental Hydrodynamics and Hydrology]

Catalog Number: 5658



Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

The contents and course requirements are similar to those in Engineering Sciences 162, with the exception that students are required to conduct extra reading and complete extra assignments.

Note: Expected to be given in 2007–08.

Prerequisite: Applied Mathematics 21b, or equivalent.

[Engineering Sciences 265. Advanced Environmental Geomechanics]

Catalog Number: 1469

James R. Rice

Half course (spring term). Tu., Th., 10–11:30 and a weekly session to be arranged. Meets with EPS 108. EXAM GROUP: 12, 13

Meets together with Earth and Planetary Sciences 108. Additional advanced topics chosen from: seepage flows, solute transport, constitutive response, poroelasticity, failure mechanics, granular flows, glacial processes, seismic effects, open channel flows, turbulence, and sediment transport.

Note: Expected to be given in 2007–08. Given in alternate years.

Prerequisite: Applied Mathematics 105a,b or equivalent, and study at an undergraduate level in solid or fluid mechanics comparable to Engineering Sciences 120 and 123.

Engineering Sciences 268. Environmental Chemical Kinetics

Catalog Number: 8711

Scot T. Martin

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Time rate of change of chemical species in environmental systems. Measure rate constants.

Linear free energy relationships and structural contributions to estimate unknown rate constants.

Formulating a coupled chemical system. Numerical analysis of complex systems.

Note: Expected to be omitted in 2007–08. Given in alternate years.

Prerequisite: Physical Chemistry (e.g., Chemistry 60 or Engineering Sciences 168) and Applied Mathematics 21a,b or Mathematics 21a,b or equivalent.

Engineering Sciences 271r. Topics in Mixed-Signal Integrated Circuits - (New Course)

Catalog Number: 1158

Gu-Yeon Wei

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

Reviews research and development of various topics in mixed-signal integrated circuits and systems. Optics in 2006: High-speed wireline transceivers. Investigate modulation, equalization, clocking techniques, and design of high-speed, low-power building blocks.

Prerequisite: Computer Science 148 or Computer Science 248 or equivalent, and Engineering Sciences 154 or equivalent, or instructor approval.

Engineering Sciences 272. RF and High-Speed Integrated Circuits

Catalog Number: 5157

Donhee Ham

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Analysis and design of RF and high speed integrated communication circuits at both transistor and system levels. Emphasis on intuitive design methods, physical understanding, analytical and simulational performance evaluation, and practical technology limitations.



Prerequisite: Solid-state devices and analog circuits (Engineering Sciences 154 or equivalent), basic electromagnetism (Physics 11b or 15b or some part of Engineering Sciences 151 or equivalent), basic differential equations (Applied Mathematics 21b or equivalent), and Fourier analysis (some part of Applied Mathematics 105a or Engineering Sciences 156 or equivalent).

Engineering Sciences 273. Optical Structures for Photon Confinement - (New Course)

Catalog Number: 8382

Marko Loncar

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

Optical structures that enable localization of photons: optical resonators, waveguides, fibers, photonic crystals, plasmons, meta-materials; nanoscale light emitters; interaction between light and matter; single-photon sources, threshold-less nanolasers, optical filters and switches; nonfabrication techniques. Note: Open to graduate students and advanced undergraduates.

Prerequisite: Familiarity with undergraduate level electromagnetics (e.g. Engineering Sciences 151), solid-state physics (e.g. Applied Physics 195), and quantum mechanics (e.g. Physics 143a).

Engineering Sciences 274. Quantum Technology I

Catalog Number: 5645

Federico Capasso

Half course (fall term). W., F., 1–2:30. EXAM GROUP: 6, 7

The focus is on devices based on bandstructure engineering that have impacted photonics and communications. Semiconductor heterostructures. Quantum size effect; tunneling; superlattices; excitons; quantum confined Stark effect. Quantum well lasers; modulators. Quantum Cascade Lasers.

Prerequisite: Undergraduate level quantum mechanics such as Physics 143a or equivalent. Familiarity with basic solid-state physics (Applied Physics 195 or equivalent), semiconductor physics and electronic devices (Applied Physics 282, Engineering Sciences 154 or equivalent).

Engineering Sciences 275. Nanophotonics

Catalog Number: 9815

Kenneth B. Crozier

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Recent developments in micro- and nano-photonics materials, devices and microscopy. Computational electromagnetics. Photonic crystals. Optical properties of metal nanostructures. Scanning near-field optical microscopy. Term-long research project.

Note: Open to graduate students and advanced undergraduates.

Prerequisite: Electromagnetism (Physics 11b or 15b or Engineering Sciences 151 or equivalent).

Engineering Sciences 299r. Special Topics in Engineering Sciences

Catalog Number: 6710

Howard A. Stone

Half course (fall term; repeated spring term). Hours to be arranged.

Supervision of experimental or theoretical research on acceptable engineering and applied science problems and supervision of reading on topics not covered by regular courses of instruction.

Note: Open to graduate students and AB/SM candidates only. Students must arrange such work



with a member of the Division. This course is graded and is ordinarily taken with the approval of the Committee on Higher Degrees. Applicants must file a project sheet before study cards are filed. Project sheets may be obtained from the Academic Office, Pierce Hall 110.

Cross-listed Courses

[***Earth and Planetary Sciences 231. Climate Dynamics**](#)
[**Earth and Planetary Sciences 263. Earthquake Source Processes**](#)

Additional courses of interest to graduate students in Environmental Science and Engineering might include courses offered at the Harvard School of Public Health.

Graduate Courses of Reading and Research

Reading courses are odd-numbered; research courses are even-numbered.

***Engineering Sciences 301,302. Nanophotonics and Scanning Near-Field Optical Microscopy**

Catalog Number: 7403,4838

Kenneth B. Crozier 5146

***Engineering Sciences 303,304. Topics in Electronic Materials and Semiconductor Heterostructure Physics**

Catalog Number: 8668,2824

Venkatesh Narayanamurti 5445

***Engineering Sciences 305,306. Manufacturing to Satisfy Stochastic Demand**

Catalog Number: 6157,6159

Frederick H. Abernathy 1047

***Engineering Sciences 307,308. Control Theory, Robotics, Computer Vision, and Intelligent Machines**

Catalog Number: 7566,2719

Roger W. Brockett 3001

***Engineering Sciences 309,310. Design, Sensing, and Control**

Catalog Number: 5043,7419

Robert D. Howe 2789

***Engineering Sciences 311,312. Systems and Control, Quantum Information and Quantum Control, Computational Vision, Image Analysis and Understanding**

Catalog Number: 2025,9377

Navin Khaneja 4192



***Engineering Sciences 313,314. Image Processing and Computer Vision**

Catalog Number: 4254,8534

Todd Zickler 5143

***Engineering Sciences 315,316. Computer Networks**

Catalog Number: 2848,2849

H. T. Kung 3155 (on leave fall term)

***Engineering Sciences 319,320. Mobile Microrobotic Systems**

Catalog Number: 5306,5314

Robert J. Wood 5339

***Engineering Sciences 321,322. Shannon Theory, Digital Communications, and Reliable Transmission of Information**

Catalog Number: 9317,2330

Aleksandar Kavcic 1261

***Engineering Sciences 323,324. Statistical Signal Processing**

Catalog Number: 1174,5484

Patrick J. Wolfe 5144

***Engineering Sciences 325,326. Mixed-Signal VLSI Design**

Catalog Number: 8415,9336

Gu-Yeon Wei 4102

***Engineering Sciences 327,328. Circuit Design and Scientific Instrumentation**

Catalog Number: 4901,6521

Paul Horowitz 3537

***Engineering Sciences 329,330. Wireless Communication and Networking**

Catalog Number: 4111,7427

Vahid Tarokh 4368 (on leave fall term)

***Engineering Sciences 331,332. RF/Microwave/Analog/Mixed-Signal Integrated Circuits and Ultrafast Electronics**

Catalog Number: 9645,9655

Donhee Ham 4519

***Engineering Sciences 333,334. Mechanics and Materials in Small Structures**

Catalog Number: 6528,5449

Zhigang Suo 4761

***Engineering Sciences 335,336. Mechanics of Engineering Materials and Small Devices**

Catalog Number: 8173,2399

Joost J. Vlassak 3184



***Engineering Sciences 337,338. Mechanics of Solids and Fluids: Geomechanics; Faulting, Friction and Fracture**

Catalog Number: 4316,3948

James R. Rice 7270 (on leave spring term)

***Engineering Sciences 341,342. Special Topics in Fluid Dynamics**

Catalog Number: 2231,2237

Howard A. Stone 2073

***Engineering Sciences 343,344. Deformation and Fracture of Materials**

Catalog Number: 3907,2803

John W. Hutchinson 1573

***Engineering Sciences 345,346. Neural Control of Movement**

Catalog Number: 6002,6007

Maurice A. Smith 5342

***Engineering Sciences 347,348. Biological Systems Analysis and Control**

Catalog Number: 6761,3310

Garrett B. Stanley 2797

***Engineering Sciences 351,352. Engineering Mammalian Cell Phenotype**

Catalog Number: 4879,6421

David J. Mooney 4879

***Engineering Sciences 353,354. Cellular Biophysics**

Catalog Number: 3813,3798

Kevin K. Parker 4788

***Engineering Sciences 357,358. Atmosphere-Biosphere Interactions**

Catalog Number: 7661,8060

Steven C. Wofsy 4396

***Engineering Sciences 359,360. Stratospheric Chemistry and Transport**

Catalog Number: 8410,6856

Steven C. Wofsy 4396

***Engineering Sciences 361,362. Atmospheric Chemistry**

Catalog Number: 7238,7514

Daniel J. Jacob 1781

***Engineering Sciences 363,364. Dynamic Meteorology**

Catalog Number: 3756,3757

Brian F. Farrell 7628



***Engineering Sciences 365,366. Topics in Atmospheric and Climate Dynamics**

Catalog Number: 3233,3236

Zhiming Kuang 5285

***Engineering Sciences 367,368. Environmental Science - (New Course)**

Catalog Number: 6773,9810

Michael B. McElroy 2462

***Engineering Sciences 369,370. Urban and Regional Systems Analysis**

Catalog Number: 8775,8768

Peter P. Rogers 2804 (on leave spring term)

***Engineering Sciences 371,372. Environmental Microbiology - (New Course)**

Catalog Number: 6258,3885

Colleen M. Hansel 5609

***Engineering Sciences 375,376. Environmental Biology**

Catalog Number: 3985,2863

Ralph Mitchell 1587

***Engineering Sciences 377,378. Transport Phenomena and Biomaterials for Drug Delivery**

Catalog Number: 6385,8671

David A. Edwards 3919

***Engineering Sciences 379,380. Stem Cell Engineering - (New Course)**

Catalog Number: 2354,0313

Debra T. Auguste 5615

***Engineering Sciences 389,390. Environmental Chemistry**

Catalog Number: 6660,1639

Scot T. Martin 3365

***Engineering Sciences 393,394. Microelectronics and VLSI Systems**

Catalog Number: 6037,6056

Woodward Yang 2790

***Engineering Sciences 395,396. Nanoscale Optics, NEMS and Nanofabrication Technology
- (New Course)**

Catalog Number: 2564,3687

Marko Loncar 5703



English and American Literature and Language

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of English and American Literature and Language

James Engell, Gurney Professor of English Literature and Professor of Comparative Literature
(*Chair*)

Daniel Albright, Ernest Bernbaum Professor of Literature

Amy R. Appleford, Lecturer on English and American Literature and Language

Timothy Bahti, Lecturer on English and American Literature and Language

Homi K. Bhabha, Anne F. Rothenberg Professor of the Humanities

Sven P. Birkerts, Briggs Copeland Lecturer on English and American Literature and Language

Lawrence Buell, Powell M. Cabot Professor of American Literature

Glenda R. Carpio, Associate Professor of African and African American Studies and of English and American Literature and Language

J. D. Connor, Assistant Professor of Visual and Environmental Studies and of English and American Literature and Language (*on leave fall term*)

Leo Damrosch, Ernest Bernbaum Professor of Literature

Leland P. de la Durantaye, Assistant Professor of English and American Literature and Language
(*on leave fall term*)

Daniel G. Donoghue, John P. Marquand Professor of English (*Director of Undergraduate Studies*)

Philip J. Fisher, Harvard College Professor and Felice Crowl Reid Professor of English and American Literature

Marjorie Garber, William R. Kenan, Jr. Professor of English and American Literature and Language and of Visual and Environmental Studies

Henry Louis Gates, Jr., Alphonse Fletcher, Jr. University Professor

Jorie Graham, Boylston Professor of Rhetoric and Oratory (*on leave fall term*)

Stephen J. Greenblatt, Cogan University Professor

Lise Haines, Visiting Briggs-Copeland Lecturer on English and American Literature and Language

Joseph C. Harris, Francis Lee Higginson Professor of English Literature and Professor of Folklore

Seamus Heaney, Ralph Waldo Emerson Poet in Residence

Bret A. Johnston, Briggs Copeland Lecturer on English and American Literature and Language

Matthew Kaiser, Assistant Professor of English and American Literature and Language

Jamaica Kincaid, Visiting Lecturer on African and African American Studies and on English and American Literature and Language (*not in residence 2007-2008*)

Robert E. Koelzer, Lecturer on English and American Literature and Language

Barbara K. Lewalski, William R. Kenan, Jr. Professor of History and Literature and of English Literature

Elizabeth D. Lyman, Assistant Professor of English and American Literature and Language

Samuel Marks, Visiting Briggs-Copeland Lecturer on English and American Literature and Language

Louis Menand, Anne T. and Robert M. Bass Professor of English and American Literature and



Language

Elisa New, Professor of English and American Literature and Language

Peter C. Nohrnberg, Assistant Professor of English and American Literature and Language (*on leave 2006-07*)

John M. Picker, Associate Professor of English and American Literature and Language (*on leave 2006-07*)

Leah Price, Harvard College Professor and Professor of English and American Literature and Language (*on leave 2006-07*)

Peter Richards, Briggs-Copeland Lecturer on English and American Literature and Language

Marie K. Rutkoski, Lecturer on English and American Literature and Language

Peter Sacks, John P. Marquand Professor of English (*on leave fall term*)

Robert Scanlan, Professor of the Practice of Theater

Elaine Scarry, Walter M. Cabot Professor of Aesthetics and the General Theory of Value

Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English (*on leave fall term*)

Michael Shinagel, Senior Lecturer on English

James Simpson, Donald P. and Katherine B. Loker Professor of English

Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of African and African American Studies

John Stauffer, Professor of English and American Literature and Language and Professor of African and African American Studies

Marcus Stern, Lecturer on Dramatic Arts, Lecturer on English and American Literature and Language

Jason W. Stevens, Assistant Professor of English and American Literature and Language

Gordon Teskey, Professor of English and American Literature and Language (*on leave spring term*)

Helen Vendler, Arthur Kingsley Porter University Professor

Nicholas Watson, Professor of English and American Literature and Language (*Director of Graduate Studies*)

James Wood, Professor of the Practice of Literary Criticism

Other Faculty Offering Instruction in the Department of English and American Literature and Language

Lisa T. Brooks, Assistant Professor of History and Literature and of Folklore and Mythology

Biodun Jeyifo, Professor of African and African American Studies

Robert J. Kiely, Donald P. and Katherine B. Loker Research Professor of English

English 10a and 10b, both required of concentrators, are often chosen as entry points to the study of English at Harvard. Students are invited, however, to begin at any other point that might seem better suited to their interests and level of preparation: a Freshman Seminar taught by faculty members from the English Department; English 97, the Sophomore Seminar that is required of concentrators; English 13, 17, 20, 34, or a 100 level course, all of which are taught in lecture or seminar-like format according to enrollment size; or, space permitting and with instructor consent, a 90 level Undergraduate Seminar or a Creative Writing workshop.



I. Creative Writing

Primarily for Undergraduates

Without approval of the department, no student may take more than one full course in Creative Writing in any one year. A Creative Writing course may be repeated for credit provided the student has the permission of the instructor and the Director of Undergraduate Studies of the Department.

***English Capr. Advanced Poetry Workshop**

Catalog Number: 6523 Enrollment: Limited to 15.

Jorie Graham

Half course (spring term). W., 4–7 p.m. EXAM GROUP: 9

Open by application to both undergraduates and graduates. Please submit a portfolio including a letter of interest, ten poems, and a list of classes (taken at Harvard or elsewhere) that seem to have bearing on your enterprise. Class lasts 3 hours and includes the study of poetic practice in conjunction with the discussion of student work.

Note: Admission based on previously submitted samples of writing.

***English Cbr. Topics in the Arts - (New Course)**

Catalog Number: 0032 Enrollment: Limited to 15.

Sven P. Birkerts

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

In this course we will take a broad hands-on survey of the various approaches to writing about the arts in a public voice. We will begin by looking at—and venturing—more comprehensive essayistic responses such as one might find in our various intellectual (not scholarly) journals, and end by reading and writing reviews. Considering different art forms and questioning the implications of aesthetic positions, we will fuse discussion and practice. Essays and reviews will be workshopped.

Note: Admission based on previously submitted samples of writing.

***English Cer. Building the Essay**

Catalog Number: 4481 Enrollment: Limited to 15.

Sven P. Birkerts

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

This workshop-based course will focus on the stages of conceptualizing, drafting, writing and re-writing the personal and topical essay. Students will produce two full-length essays, and drafts will be workshopped.

Note: Admission based on previously submitted samples of writing.

***English Ckr. Playwriting Workshop**

Catalog Number: 6781 Enrollment: Limited to 15.

Samuel Marks

Half course (fall term; repeated spring term). Th., 3–6. EXAM GROUP: 17, 18

Playwriting involves the constant negotiation between the conscious and the unconscious, between craft and art, impulse and design. In this workshop we will examine these multiple



aspects of playwriting. Using various exercises we will write towards our obsessions, our weirdness, and, as a result, we will produce a lot of messy work. We will also, as we study the craft of playwriting, attempt to discover the form and structure of our plays. We will do this by examining various published works and sharing our own writing in workshop. We will attempt to find form through writing. We will discover the Shape of Things.

Note: Admission based on previously submitted samples of writing.

***English Clr. Screenwriting Workshop**

Catalog Number: 6121 Enrollment: Limited to 12.

Marcus Stern

Half course (fall term; repeated spring term). M., 1–4. EXAM GROUP: 6, 7, 8

Reading screenplays, viewing films, along with weekly written assignments, the focus of this course will be on effective storytelling with a screenplay. Emphasis will be on the use of plot, character development, dialogue, image, sound, camera vocabulary and film transitions in pursuit of a narrative event that has visceral impact. Each student is expected to write a short screenplay by the end of the semester.

Note: Admission based on previously submitted samples of writing.

***English Cpr. Poetry Writing**

Catalog Number: 3053 Enrollment: Limited to 15.

Peter Richards

Half course (fall term; repeated spring term). Tu., 1–4. EXAM GROUP: 15, 16, 17

A poetry workshop open by application to undergraduate and graduate students alike. In this class students will study modern and contemporary poets and can expect to submit their own poems on a weekly basis for peer review.

Note: Admission based on previously submitted samples of writing.

***English Cpw. Poetry Workshop**

Catalog Number: 4606 Enrollment: Limited to 15.

Jorie Graham

Half course (spring term). Th., 1–4. EXAM GROUP: 15, 16, 17

Open by application to both undergraduates and graduates. Please submit a portfolio including five poems, a letter explaining your interest in the class, and a list of relevant classes taken at Harvard or elsewhere. Class includes the discussion of literary texts as well as work written by students.

Note: Admission based on previously submitted samples of writing.

***English Cqr. Advanced Poetry Writing**

Catalog Number: 2644 Enrollment: Limited to 15.

Peter Richards

Half course (fall term; repeated spring term). W., 1–4. EXAM GROUP: 6, 7, 8

An advanced poetry workshop with an emphasis on form, revision, and aleatory methods for generating new work. Readings include Guillaume Apollinaire, W.H. Auden, Anna Balakian, Gottfried Benn, Joe Brainard, Anne Carson, Joseph Ceravolo, John Cage, Jean Cocteau, Ann Lauterbach, James Merrill, Robert Motherwell, Leslie Scalapino, Gertrude Stein, Wallace



Stevens among others.

Note: Admission based on previously submitted samples of writing.

***English Crr. Fiction Writing**

Catalog Number: 1893 Enrollment: Limited to 15.

Bret A. Johnston

Half course (fall term; repeated spring term). M., 2–4. EXAM GROUP: 7, 8

An introduction to fundamental aspects (technical and conceptual) of writing fiction. We begin with short exercises and move toward the completion and revision of original work. We'll read Munro, Welty, Diaz, Lahiri, and others, and explore how practicing writers negotiate character, narrative structure, setting, voice, etc. Individual reading assignments will also be devised on a per project basis. As the term continues, we'll devote increasing amounts of time to the discussion of student work.

Note: Written assignments include exercises, typed critiques for each workshopped story, two original short stories, and at least one extended revision. Admission based on previously submitted samples of writing.

***English Csr. Fiction Writing**

Catalog Number: 2601 Enrollment: Limited to 15.

Lise Haines

Half course (fall term; repeated spring term). Tu., 1–3. EXAM GROUP: 15, 16

Practice-based workshop on contemporary short fiction. Emphasis is on craft, process, and a deepening of analytical skills. Final portfolio includes two complete short stories. Ongoing reading assignments and some exercises.

Note: Admission based on previously submitted samples of writing.

***English Ctr. Advanced Fiction Writing**

Catalog Number: 7175 Enrollment: Limited to 15.

Bret A. Johnston

Half course (fall term; repeated spring term). W., 2–4. EXAM GROUP: 7, 8

See English Crr. Students in the advanced class will also make presentations on craft, and be expected to revise work more often and to a higher standard.

Note: Admission based on previously submitted samples of writing. Generally for students who have previously taken fiction workshops.

***English Cvr. Fiction Writing**

Catalog Number: 1223 Enrollment: Limited to 15.

Jamaica Kincaid

Half course (fall term; repeated spring term). W., 1–3. EXAM GROUP: 6, 7

A seminar/workshop. Readings include Bruno Schultz, Jean Toomer, Robert Walser, and Rimbaud's *Illuminations*, among others.

Note: Admission based on previously submitted samples of writing. Submissions from experienced fiction writers are welcome.

***English Cwr. Advanced Fiction Writing**

Catalog Number: 7765 Enrollment: Limited to 15.



Lise Haines

Half course (fall term; repeated spring term). Th., 1–3. EXAM GROUP: 15, 16

This advanced workshop is similar to Csr. Students should have a solid grounding in elements of craft and be working to a higher standard.

Note: Admission based on previously submitted samples of writing.

***English Cvr. The Lyric Essay**

Catalog Number: 8545 Enrollment: Limited to 15.

Sven P. Birkerts

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

This course will begin at the conventional center, with the personal essay, and move outward to explore more eccentric and associative modes of presentation. What kinds of departures succeed, and why? We will read a range of essays, shading increasingly toward the experimental as the term progresses. Principles of voice, narration, and structure will be addressed. Original and reflective/analytic assignments will be given. Essays will be workshopped.

Note: Admission based on previously submitted samples of writing.

***English Cvr. Essay Modes**

Catalog Number: 5347 Enrollment: Limited to 15.

Sven P. Birkerts

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

In this survey of essayistic approaches, we will work from two fronts. Readings, discussions, and analytic assignments focusing on the personal, topical, and critical essay will be combined with the writing and workshopping of your own essays in these modes. What are the different voices we call on, and what is the basis of authority? What are the basic structural templates, and how do they change depending on the aim of the essay?

Note: Admission based on previously submitted samples of writing.

II. Literature

Primarily for Undergraduates

Introductory Lecture Courses (two lectures, one discussion section weekly).

English 10a. Major British Writers I

Catalog Number: 8327

James Simpson

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

A chance to read profound works from three of the richest periods of English Writing: Anglo-Saxon literature (unrivaled in the Europe of its time for power and sophistication); the late fourteenth-century (where Chaucer's not the only exceptionally rewarding *oeuvre*); and from Spenser to Milton, including Shakespeare *en route*. Students will be encouraged both to immerse themselves in great works and to generate their own understanding of literary history.

Note: Open to freshmen. Two lectures and one section meeting per week. Required of English concentrators. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.



English 10b. Major British Writers II

Catalog Number: 0550

Daniel Albright

Half course (spring term). M., W., at 12. . EXAM GROUP: 5

An introduction to the study of British literature from the early 18th century to the present.

Note: Open to freshmen. Two lectures and one section meeting per week. Required of English concentrators. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

English 17x. 19th-Century American Novel

Catalog Number: 9173

John Stauffer

Half course (fall term). M., W., at 11. EXAM GROUP: 4

A study of the emergence of the novel in America as a literary and popular genre from Crèvecoeur through Cather. Readings include Melville, *Moby-Dick*; Stowe, *Uncle Tom's Cabin*; Douglass, *Heroic Slave*; James, *Portrait of a Lady*; Twain, *Adventures of Huckleberry Finn*; Chesnut, *The Marrow of Tradition*; Wharton, *The House of Mirth*; Cather, *My Ántonia*; and shorter pieces by Crèvecoeur, Irving, Poe, Child, Alcott, Hawthorne.

Undergraduate Seminars

These introductions to the specialized study of literature are restricted to undergraduates and have enrollments limited to 15. Preference is given to English concentrators.

*English 90cc. Calvinist Legacy in American Culture

Catalog Number: 0007 Enrollment: Limited to 15.

Jason W. Stevens

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

This course will cover American texts from the Puritan settlement through the present, with emphasis on the twentieth century. In addition to sermons, theology, and polemical pieces, we will read a wealth of fiction and selected poetry as well as view some relevant fiction films. We will explore the rapid growth of Calvinism into a cultural logic which has been variously revised, conserved, caricatured, repudiated, and resurrected over the course of the American past.

Note: Preference given to English concentrators.

*English 90cm. Mapping the World: Medieval Romance - (New Course)

Catalog Number: 1115 Enrollment: Limited to 15.

Amy R. Appleford

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Explores the romance, the most important form of imaginative writing in the medieval and early modern periods, tracing its trajectory from Arthurian romance in twelfth-century France to its appearance in a variety of guises in late medieval and sixteenth-century England. We will consider a few of genre's many thematic preoccupations: nation, sexuality, poesis, ethnicity, history, and the marvelous. Authors include Chrétien de Troyes, Marie de France, Mandeville, Chaucer, the Gawain-poet, Malory, Spenser, Sidney, and Shakespeare.



***English 90cp. Performance of History: Medieval to Early Modern - (New Course)**

Catalog Number: 4943 Enrollment: Limited to 15.

Amy R. Appleford

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Explores the imagination of history in English drama, 1400–1600, with a focus on the relationship between two kinds of history: sacred history, as performed in Corpus Christi plays, 1400–1576; and national history, as performed in professional theaters, from the 1540s. Our study of the representation of the past in pre-modern drama will be complemented by readings in historiographic theory. Plays by Wakefield Master, Bale, Greene, Marlowe, Shakespeare; historiography by Holinshed, Hegel, Nietzsche, Foucault, and White.

***English 90ga. Alternative Worlds in Early Modern England - (New Course)**

Catalog Number: 8472 Enrollment: Limited to 15.

Barbara K. Lewalski

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

This seminar will explore how and why many writers in Early Modern England construct alternative worlds that may contrast with or comment on contemporary England. We will consider Utopias (More's *Utopia*, Bacon's *New Atlantis*, Margaret Cavendish's *Blazing World*), Arcadias (Sidney's *Old and New Arcadia*, Country House Poems), Faerie Land (Spenser's *Faerie Queene*), Eden (Milton's *Paradise Lost*), New World Places (accounts of Bermuda, Virginia, Guiana, etc.).

***English 90hs. Satire: Augustan and Modern**

Catalog Number: 8795 Enrollment: Limited to 15.

Michael Shinagel

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

A study of satire in poetry, prose fiction, and drama. Authors covered are Dryden, Swift, Pope, Johnson, Gay, Voltaire, Orwell, Brecht, Vonnegut, and West.

Note: Preference given to English concentrators.

***English 90hw. Wordsworth and Coleridge - (New Course)**

Catalog Number: 8270 Enrollment: Limited to 15.

Robert E. Koelzer

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

An in-depth look at the celebrated friendship—and falling out—of these two foundational figures of Romanticism, emphasizing the collaboration on *Lyrical Ballads*. Topics to include: literary friendship and rivalry; the writer's relationship to different readerships; the poetry theory of the "Lake School." We will consider writers in the poets' immediate circle, e.g. Dorothy Wordsworth and Charles Lamb, and the poets' influence on a younger generation of Romantics, including De Quincey, Hazlitt, Shelley, and Keats.

***English 90ka. The Brontës**

Catalog Number: 1097 Enrollment: Limited to 15.

Elaine Scarry

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17



Writings by Emily, Anne, and Charlotte Brontë, as well as the later novels and films their work inspired.

***English 90kw. The American Civil War**

Catalog Number: 1957 Enrollment: Limited to 15.

John Stauffer

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Studies in the literature of the American Civil War, from letters, speeches, poetry, and photography to diaries, stories, and novels. We consider aesthetic, historical, and intellectual dimension and focus in particular on national and section identities; the shift from romanticism to realism; and dilemmas of slavery, race, and freedom. Authors include Melville, Whitman, Douglass, Lincoln, Stowe, Alcott, Twain, Crane, Mary Chesnut, Bierce, and others.

***English 90lv. Consciousness from Austen to Woolf**

Catalog Number: 3200 Enrollment: Limited to 15.

James Wood

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

We look at the complex ways in which writers represent their characters' thought, in texts by Austen, Flaubert, James, Tolstoy, Chekhov, Giovanni Verga, and Woolf. More broadly, we trace the development of stream-of-consciousness, from Austen's incipient mastery of free indirect style, through Flaubert's more sophisticated use of it, to Woolf's full-blown inner monologues, seeing this development as not merely a fact of English and American literature, but as a phenomenon of world literature and an element of our modernity.

Note: Preference given to English concentrators.

[*English 90mf. The Rise of the Novel]

Catalog Number: 6041 Enrollment: Limited to 15.

Michael Shinagel

Half course (spring term). Hours to be arranged.

The course will examine the rise of the novel as a genre in England through a close reading of major works by Bunyan, Defoe, Richardson, and Fielding (*Pilgrim's Progress*, *Robinson Crusoe*, *Moll Flanders*, *Pamela*, *Clarissa*, *Joseph Andrews*, and *Tom Jones*).

Note: Expected to be given in 2007–08. Preference given to English concentrators.

***English 90pb. Dramatic Structure and Analysis**

Catalog Number: 4661 Enrollment: Limited to 15.

Robert Scanlan

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Introduces the Plot-Bead technique for analyzing and/or constructing artistic forms that are performance events. Several artworks, most of them plays, but some of them poems and one of them a musical composition, are studied in detail in the light of depth action analysis and codification of the artifact's time-form in a plot-bead diagram. The roots of these analytical techniques (which have practical utility for artists) are Aristotelian, but we will see them reflected in 20th-century practice.

Note: Preference given to English concentrators.



***English 90qa. Contemporary Anglophone Drama - (New Course)**

Catalog Number: 8702 Enrollment: Limited to 15.

Biodun Jeyifo

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

The course will explore 20th-century Anglophone drama in diverse areas of the English-speaking world. Through works of Irish, African, Caribbean and U.S. playwrights like Friel, Soyinka, Fugard, Walcott and Shange, the seminar will be organized around two principal issues: the use of folk, ritual, vernacular and carnivalesque performance idioms to transform the received genre of Western literary drama; themes of empire, colony and postcolony in the making of the modern world.

Note: Some knowledge of classical and avant-garde theories of drama and performance would be useful, but it is not a prerequisite for this course.

***English 90qc. Ibsen, Shaw, and Chekhov - (New Course)**

Catalog Number: 3194 Enrollment: Limited to 15.

Elizabeth D. Lyman

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

An in-depth look at the three most influential voices in dramatic literature at the birth of "The New Drama." Our focus will be on the plays themselves—their literary and dramatic innovations, their philosophical and cultural preoccupations, and the new stylistic and interpretative challenges they posed. By reading generously from varied moments in each artist's corpus, we'll deepen our understanding of the impact and rupture created by these giants of the modern stage.

***English 90qe. Pinter, Stoppard, Churchill, & Frayn - (New Course)**

Catalog Number: 9595 Enrollment: Limited to 15.

Elizabeth D. Lyman

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

An in-depth look at the three most influential British playwrights of the late twentieth century. Readings include generous selections of each author's plays, as well as novels, screenplays, journalism, and essays. Emphasis is on recurring themes that haunt these authors' works, and the innovative techniques they develop to convey them.

***English 90qh. Exotica in Renaissance Drama - (New Course)**

Catalog Number: 2811 Enrollment: Limited to 15.

Marie K. Rutkoski

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Literally meaning "from the outside," the word "exotic" generally suggests Otherness—the outlandish and the socially marginal as well the alien. Our pursuit of Renaissance exotica will follow three major thematic veins: representations of the culturally foreign, madness, and the supernatural. We will contextualize our analyses of Renaissance plays with historical readings and culturally critical texts. Texts for this course will include work by Shakespeare, Marlowe, Webster, Montaigne, Freud, Said, Fanon, and Foucault.

***English 90ql. The Poetry, Novels, and Prose of Philip Larkin - (New Course)**

Catalog Number: 9927 Enrollment: Limited to 15.



Philip J. Fisher

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8
A study of the poetry, novels, and prose of Philip Larkin.

[*English 90qn. Navigating Ulysses]

Catalog Number: 8643 Enrollment: Limited to 15.

Peter C. Nohrnberg

Half course (spring term). Hours to be arranged.

James Joyce's modernist epic supplemented by readings of significant intertexts (*The Odyssey*, *Hamlet*) along with works of secondary criticism. Attention directed to formal aspects of this difficult work as well as to its thematic engagement with important issues of its time, including: Irish nationalism and British colonialism, feminism, the advent of advertising, and the rise of consumer culture.

Note: Expected to be given in 2007–08. Preference given to English concentrators.

***English 90vn. Vladimir Nabokov**

Catalog Number: 6677 Enrollment: Limited to 15.

Leland P. de la Durantaye

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

This seminar will examine the depth and breadth of the works of Vladimir Nabokov. Special attention paid to those works written directly into English. Special consideration will be accorded to Nabokov's irreverent and idiosyncratic opinions on the task of the critic. Readings will include: *Lolita*, *Speak*, *Memory*, *Pale Fire*, *Pnin*, *Ada*, or *Ardor*, *The Real Life of Sebastian Knight*, *Bend Sinister*, and *The Gift*.

Note: Preference given to English concentrators.

***English 90wj. The Poetry of John Keats - (New Course)**

Catalog Number: 5103 Enrollment: Limited to 15.

Helen Vendler

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

A study of most of the poetry, focusing on influences, genre-changes, poetics, and the Keatsian lexicon.

***English 90wm. Words and Music - (New Course)**

Catalog Number: 5899 Enrollment: Limited to 15.

Daniel Albright

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

How does music speak? How do words sing? Each student will formulate and develop a thesis for a single long paper. Possible topics include: song cycles (Schumann/Heine or Sullivan/Tennyson); the concord or discord between librettist (Da Ponte, Hofmannsthal) and composer (Mozart, Strauss); and the kinds of narratives or dramas that can be teased out of programmatic or absolute music (e.g. Beethoven's *Coriolan*, Mahler's first).

Note: Some background in music is necessary.

***English 90xw (formerly English 185). Wit and Humor**

Catalog Number: 3941 Enrollment: Limited to 15.



Leo Damrosch

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

This will be an interactive seminar exploring the psychological, sociological, commercial, and artistic dimensions of humor. In addition to theoretical readings by Freud, Bergson, and others, texts will include works by Twain, Wilde, Benchley, Wodehouse, Amis, and Sedaris; films will include *Dr. Strangelove*, *Annie Hall*, *Office Space*, and performances by Richard Pryor and Eddie Izzard. The final weeks will be devoted to texts and films chosen by the class.

***English 90yx. Gay and Lesbian Fiction: 1945 to the Present - (New Course)**

Catalog Number: 2525 Enrollment: Limited to 15.

Matthew Kaiser

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An exploration of LGBT fiction of the last sixty years, with emphasis upon the intersection of formal experimentation and sexual politics. Topics include the movement from the closet to community; the benefits and drawbacks of identity politics; AIDS; oppression and assimilation; and the representation of radical sexualities. Authors include Jean Genet, Patricia Highsmith, James Baldwin, Monique Wittig, William S. Burroughs, Audre Lorde, Manuel Puig, Dennis Cooper, Jeanette Winterson, others.

Tutorials, for Undergraduates Only

***English 91r. Supervised Reading and Research**

Catalog Number: 1464

Daniel G. Donoghue and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Individual instruction in subjects of special interest that cannot be studied in regular courses.

Note: A graded course. May not be taken more than twice and only once for concentration.

***English 97. Seminar—Sophomore Year**

Catalog Number: 0280

Daniel G. Donoghue and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Introduction to methods of literary analysis. Selected texts in English and American literature studied along with readings in theory and criticism. Required of concentrators in the sophomore year.

***English 98r. Tutorial—Junior Year**

Catalog Number: 3831

Daniel G. Donoghue and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised small group tutorial in the study of English and American literature.

Note: Limited to honors concentrators.

***English 99r. Tutorial—Senior Year**

Catalog Number: 3901

Daniel G. Donoghue and members of the Department



Half course (fall term; repeated spring term). Hours to be arranged.

Supervised individual tutorial in an independent scholarly or critical subject.

Note: Two terms required of all thesis honors seniors. To enroll, students must submit for approval a Thesis Proposal.

Prerequisite: Satisfactory completion of one term of English 98r, completion of an undergraduate seminar (90-level) taken in the junior year or earlier, and faculty approval of proposed thesis topic.

For Undergraduates and Graduates

English 101. The History and Structure of the English Language

Catalog Number: 1987

Daniel G. Donoghue

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

A survey of the changes in English phonology, morphology, syntax, spelling, and vocabulary, from the earliest times to the present. Along the way, we explore such topics as attitudes toward language, the impact of political and economic changes, literacy, attitudes toward grammar, the rise of American English, language and social class, and language and gender.

Note: No previous knowledge of linguistics, Anglo-Saxon, or Middle English is required.

English 102e. Anglo-Saxon Language and Culture: Introduction to Poetry

Catalog Number: 1128

Joseph C. Harris

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

Introduction to the language and culture of England before 1066, with special attention to poetry and poetics that have influenced modern poets such as Pound and Auden. By the end of the term we will have read, in the original, a handful of the greatest short poems in the English language, among them *The Wanderer* and *The Seafarer*.

Note: Fulfills the College language requirement and the English Department's Foreign Literature requirement if its continuation, English 103e, is also completed.

English 103e. Anglo-Saxon Language and Culture: *Beowulf* and Elegy - (New Course)

Catalog Number: 9185

Joseph C. Harris

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

Tolkien thought *Beowulf* as much "elegy" as "epic," and current readers treat the poem as a cultural elegy for a passed or passing world. Close reading of about one-half of the poem in the original, the rest in the Heaney translation, leading to criticism and scholarship on *Beowulf* and elegy in Old English and related literatures. Builds on English 102e, continuing the language study and cultural survey with focus on the central poetic monuments of Anglo-Saxon England.

English 112. Chaucer and the Invention of Middle English Literature

Catalog Number: 8099

James Simpson

Half course (spring term). M., W., at 10. EXAM GROUP: 3

Many ethically challenging, politically daring texts written in the period 1330-1400 invented a



literary space of extraordinary freedom. Such texts establish the very possibility of writing literature of high ambition in English; they create a space for women authors, for religious reform, and for a literature of profound psychic range and historical depth. Chaucer, who does all these things, forms the centre, but romances, Langland, and Julian of Norwich each make decisive contributions.

[English 115b. Chaucer: *The Canterbury Tales*]

Catalog Number: 2945

Nicholas Watson

Half course (fall term). Hours to be arranged.

A study of the most famous work of English literature before Shakespeare, both as a work of art and as a product of its place (London) and time (the 1390s).

Note: Expected to be given in 2007–08.

English 124d. Shakespearean Tragedy

Catalog Number: 7041

Stephen J. Greenblatt

Half course (fall term). Tu., Th., at 2. EXAM GROUP: 16

Exploration of Shakespeare's restless experiments in the varieties of tragedy, from *Titus Andronicus* to *Coriolanus*, with particular attention to the astonishing sequence of *Hamlet*, *Othello*, *King Lear*, and *Macbeth*. Attention to classical and medieval precedents, to such modern theorists as Hegel, Nietzsche, and Benjamin, and to contemporary attempts on stage and in film to revivify Shakespeare's vision.

English 125. Shakespeare and Modern Culture - (New Course)

Catalog Number: 2748

Marjorie Garber

Half course (spring term). M., W., at 11. EXAM GROUP: 4

Beginning with the premise that Shakespeare makes "modernity," and that modernity makes "Shakespeare," the course considers works that interact with the era of Freud and Marx, Brecht and Beckett, film, contemporary politics, and American popular culture. Readings include *Hamlet*, *King Lear*, *Macbeth*, *Coriolanus*, *Henry V*, *Othello* and *The Merchant of Venice*--plays that have had a major impact upon notions of character, personality, anomie, gender, sexuality, dissociation, "leadership," and other ideas by which modernity/post-modernity measures identity, selfhood and success.

English 130. 17th-Century Poetry and Prose

Catalog Number: 4789

Barbara K. Lewalski

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Examines a wide range of poets and prose writers, men and women, in a cultural milieu (1600-1660) extraordinarily rich in literary achievement and intellectual ferment. Primary attention to four major poets—Donne, Jonson, Herbert, and Marvell—and to the development of genres (love poetry, religious meditation, essay, others) for analyzing the literary self.



English 131. Milton: Major Poetry and Prose

Catalog Number: 8005

Barbara K. Lewalski

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

A comprehensive study of Milton's career. We will concentrate on his poetry (lyric, dramatic, and epic) but will also pay close attention to his major prose tracts. *Paradise Lost* will receive extended treatment.

English 141. The 18th-Century Novel

Catalog Number: 8683

Leo Damrosch

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

The rise of the novel, seen through eighteenth-century fiction by Defoe, Richardson, Fielding, Sterne, Radcliffe, and Godwin, supplemented by short excerpts from letters, diaries, poems, and criticism; film adaptations will also be shown. Issues include genre (what was new about novels?), the representation of subjectivity, the paradoxes of "realism," moral didacticism and its subversion, the significance of gender and class, and the challenge of the Gothic. Lecture-discussion format.

English 144. Early Modern Literature: Six Voices, Six Visions

Catalog Number: 5775

James Engell

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Selected works of Pope, Swift, Johnson, Wollstonecraft, Gibbon, and Burke. Examines the world views of writers each with a strong, enduring vision of the moral life facing challenges of a modern world. This literature, mostly non-fiction prose but including some poetry, engages social reform, practical politics, history, sexual politics, religion, the Irish question, empire, gender, and cultural values. Essays, historical narrative, political debate, prose argument, and satire; active discussion of the relevance of this literature for readers today.

English 151. The 19th-Century Novel

Catalog Number: 8396

Elaine Scarry

Half course (spring term). M., W., at 1. EXAM GROUP: 6

How and why the novel became the central genre of modern culture. Authors include Austen, Brontë, Dickens, Trollope, Eliot, Stoker, and Conan Doyle.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

English 154. 19th-Century English Poetry: Wordsworth to Tennyson

Catalog Number: 8644

Matthew Kaiser

Half course (fall term). M., W., at 1. EXAM GROUP: 6

Between 1800, when Wordsworth published the second edition of *Lyrical Ballads*, and 1850, when Tennyson succeeded him as poet laureate, modern poetry was born. In the wake of the French Revolution, during a period of political-economic transition, Romantic and early-



Victorian poets reinvented poetry, transformed it into a laboratory of modern consciousness, of philosophical-psychological discovery. Explore the joy, passion, and self-doubt of poetry reimagining itself. Wordsworth, Coleridge, Byron, Shelley, Keats, the Brownings, Tennyson, others.

English 156. Crime and Horror in Victorian Literature and Culture

Catalog Number: 4752

Matthew Kaiser

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

The Victorian middle classes were both titillated and repelled by transgression and abnormality: from Jack the Ripper to the Elephant Man, from venereal disease to self-murder. In an era marked by unprecedented prosperity and widespread poverty, the Victorians aggressively policed—and clandestinely crossed—increasingly porous and unstable boundaries. Across a range of literary genres, we will map the nineteenth-century British obsession with crime and horror, with phenomena that rattle one's sense of self.

[English 157. The Classic Phase of the Novel]

Catalog Number: 4786

Philip J. Fisher

Half course (fall term). Hours to be arranged.

A set of absolute works of art produced at the peak of the novel's centrality as a literary form: *Pride and Prejudice*, *Madame Bovary*, *Anna Karenina*, *The Brothers Karamazov*, *Buddenbrooks*, *Great Expectations*, *L'Assommoir*. Society, family, generational novels and the negations of crime and adultery; consciousness and the organization of narrative experience; the novel of ideas and scientific programs; realism, naturalism, aestheticism and the interruptions of the imaginary.

Note: Expected to be given in 2007–08.

[English 160. Modern British Novel: James to Present]

Catalog Number: 7052

Philip J. Fisher

Half course (spring term). Hours to be arranged.

From James' *Wings of the Dove* to Ian McEwan's *Atonement*. Topics include: modernism and its aftermath; the novel of consciousness; memory, time, and history; experimentation and its renormalization. Novels include, in addition to James and McEwan: Conrad, *Heart of Darkness*; Lawrence, *The Rainbow*; Woolf, *To the Lighthouse*; Naipaul, *A House for Mr. Biswas*; Lessing, *The Fifth Child*; Coetzee, *Disgrace*; Sebald, *The Emigrants*.

Note: Expected to be given in 2007–08.

[English 160c. Modern British Fiction: Conrad to Beckett]

Catalog Number: 7772

Peter C. Nohnberg

Half course (fall term). Hours to be arranged.

A survey of major works of British fiction written in the first half of the twentieth century by Kipling, Conrad, Forster, Ford, West, Woolf, Joyce, Butts, and Beckett, among others. Topics covered include: innovations in narrative form, the representation of individual consciousness



and identity, responses to imperialism, the Great War, mass culture, and the rise of feminism.

Note: Expected to be given in 2007–08.

[English 161m. 20th-Century Irish Literature]

Catalog Number: 4874

Peter C. Nohrnberg

Half course (spring term). Hours to be arranged.

A survey of plays, poetry, essays and fiction written from the beginning of the Irish Revival to the time of the Troubles in Northern Ireland. Authors include Synge, Yeats, Lady Gregory, Joyce, Beckett, O'Casey, Flann O'Brien, Friel, Trevor, and Heaney. Readings will focus on the preoccupation of these writers with Irish history, myth, and the literary construction of a national identity.

Note: Expected to be given in 2007–08.

English 162c. Modern Drama

Catalog Number: 4717

Elizabeth D. Lyman

Half course (spring term). Tu., Th., at 2. EXAM GROUP: 16

A survey course which examines landmark works from Ibsen to Kushner through a focus on generative cultural and stylistic moments (The Woman Question 1880-1900; The Theater of the Absurd 1950-60; The AIDS Crisis 1985-95, etc.). Plays are considered on their own merits and in terms of the broader movements they helped to define. Course includes introduction to terminology and conventions of the genre.

English 163 (formerly Dramatic Arts 64). Dramatic Literature from the Greeks to Ibsen - (New Course)

Catalog Number: 2389

Robert Scanlan

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

A survey of major monuments of European drama, starting with Aeschylus' *Oresteia* and culminating with Ibsen's *Peer Gynt*, gateway to modern drama. Lectures introduce the historical periods that produced and preserved selected classics of western drama. After the Greeks (Aeschylus, Sophocles, Euripides, Aristophanes, Menander) and Romans (Plautus, Terence), Medieval examples pave the way for Renaissance (Machiavelli, Marlowe, Shakespeare) and French Neo-classical masterpieces (Molière, Racine), followed by the rise of European bourgeois drama (Goldoni, Lessing, Beaumarchais, Goethe).

[English 163m. The Musical]

Catalog Number: 8972

Elizabeth D. Lyman

Half course (spring term). Hours to be arranged.

Musical theater is considered with film and jazz to be a quintessentially American art form. Our focus will be on moments of discovery, achievements of seminal creative teams and individuals, issues of authorship and collaboration (including lawsuits), the cultural contexts of works, negotiating tensions between market and product, and the curious ability of multiple stage languages (spectacle, music, dance, speech, etc.) to speak collectively what the "straight play"



cannot.

Note: Expected to be given in 2007–08.

English 165. Joyce, Modernism, and Aestheticism

Catalog Number: 1827

Philip J. Fisher

Half course (spring term). M., W., at 12. EXAM GROUP: 5

Topics include: modernism; aesthetic experience; the life of art; the city; and the moment.

Centering on Joyce's *Dubliners*, *Portrait of the Artist*, and *Ulysses* but also novels by Proust, Woolf, and Kawabata.

Note: Graduate section offered.

English 166x. The Postcolonial Classic

Catalog Number: 4236

Homi K. Bhabha

Half course (fall term). M., W., at 11. EXAM GROUP: 4

This lecture course will explore the idea of a classic work in the postcolonial, global era. It surveys literary, cultural, and political works that illustrate the relationship between aesthetic values and questions of cultural citizenship. Works read may include Gandhi, Fanon, Sartre, Mandela, Rudyard Kipling, Joseph Conrad, James Baldwin, Toni Morrison, Nadine Gordimer, Salman Rushdie, V.S. Naipaul, John Coetzee.

[English 167p. Postcolonial Narratives]

Catalog Number: 2511

Sharmila Sen

Half course (spring term). Tu., Th., at 12 and a weekly section to be arranged. EXAM GROUP: 14

An investigation of the major concerns, paradigms, and quarrels within postcolonial literary studies. While reading authors such as Achebe, Conrad, Dabydeen, Dangarembga, Ghosh, Phillips, Rushdie, and Salih, we shall pay close attention to the continuities and the discontinuities of the postcolonial experience as represented in literary texts from Africa, the Caribbean, and South Asia.

Note: Expected to be given in 2007–08. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C.

English 168d. Postwar American and British Fiction

Catalog Number: 8250

James Wood

Half course (spring term). M., W., at 2. EXAM GROUP: 7

We examine a range of works, including novels and stories by Saul Bellow, Philip Roth, Raymond Carver, Henry Green, Muriel Spark, Ian McEwan, Penelope Fitzgerald, and Martin Amis. Our attempt will be to situate these books in their larger historical traditions, while emphasizing that we are reading a living literature. Some of the selected authors may visit and address our class.



[English 168x. American Cultures and Countercultures of the Sixties]

Catalog Number: 4616

J. D. Connor

Half course (fall term). Hours to be arranged.

Beyond the received mythologies of Woodstock, *Easy Rider*, and “tenured radicals” critiques, the sixties marked a transformation of the relationship between the vernacular and the academic. Along this line, where theories of cultural opposition become youth practice and vice versa, we find hybrid and hyper-realisms exemplified in Albee, Barth, The New Journalism (Capote, Didion, Mailer), alternative comix, Photorealism, Warhol, *cinéma vérité* (*Don’t Look Back*, *Gimme Shelter*), happenings, the Black Arts Movement, and Robert McNamara’s operations research.

Note: Expected to be given in 2007–08.

English 174f. Faulkner: The Major Works - (New Course)

Catalog Number: 2652

Jason W. Stevens

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

William Faulkner may be the greatest American novelist of the 20th Century. This course examines his fiction in the contexts of modernism, Southern Gothic, naturalism, race relations, and religion. Texts will include *The Sound and the Fury*, *Absalom, Absalom!*, *Light in August*, *As I Lay Dying*, *Go Down Moses*, and the Snopes Trilogy.

English 176x. Black Women Writers - (New Course)

Catalog Number: 8000

Glenda R. Carpio

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

A survey of works by black women in both the US and the Caribbean. We examine the challenges of writing within constricting ideologies of race and gender and the formal experimentation that black women have employed to face such challenges. Our approach is historical and comparative and our readings include both fiction and theory.

English 177. Art and Thought of the Cold War

Catalog Number: 7704

Louis Menand

Half course (spring term). M., W., at 12. EXAM GROUP: 5

Culture of the early cold war (1945-1965) in the context of political events and intellectual developments. We will be particularly interested in the unintended consequences of Cold War policies and in trans-Atlantic cultural exchange. Subjects include the literature of totalitarianism, Abstract Expressionism, the Beats, the philosophy of higher education, the Warren Court, film noir, and the French New Wave.

Note: No auditors permitted without permission of the instructor. This course must be taken for a letter grade. It meets the Core area requirement for Literature and Arts C.

English 178x. The American Novel: Dreiser to the Present

Catalog Number: 2168

Philip J. Fisher



Half course (fall term). M., W., at 12. EXAM GROUP: 5

A survey of the 20th-century novel, its forms, patterns of ideas, techniques, cultural context, rivalry with film and radio, short story, and fact. Dreiser, *Sister Carrie*; Wharton, *The House of Mirth*; Jack London, *Stories*; Anderson, *Winesburg, Ohio*; Hemingway, *A Farewell to Arms* and stories; Faulkner, *The Sound and the Fury* and stories; Fitzgerald, *Tender is the Night*; Ellison, *Invisible Man*; Nabokov, *Lolita*; Bellow, *Herzog*; Pynchon, *The Crying of Lot 49*; DeLillo, *White Noise*.

English 180. Modern American Crime Narratives

Catalog Number: 4468

Jason W. Stevens

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

We will cover American crime narratives, beginning with nineteenth-century forms (classical detective fiction, dime novel adventures, and muckraking city novels) but emphasizing their twentieth-century successors—the hard-boiled and noir fiction that flourished between the Jazz Age and the Cold War as well as the police procedural and the true crime novel. Popular texts will be approached as examples of craft art which have provided paradigms for major American authors, including Faulkner, Fitzgerald, and Mailer.

English 183. Contemporary American Poetry - (New Course)

Catalog Number: 2423

Peter Sacks

Half course (spring term). W., 1–3; Tu., at 12; Tu., at 2. EXAM GROUP: 6, 7

This course will address the work of several American poets publishing since World War Two. Authors will be selected from among the following: Moore, Bishop, Lowell, Merrill, Hecht, Rich, Ammons, James Wright, Ginsberg, Ashbery, and others. Readings will be drawn primarily from *The Norton Anthology of Modern and Contemporary Poetry, Volume Two*, as well as from supplementary works.

English 187. Native American Literary Traditions - (New Course)

Catalog Number: 3570

Lisa T. Brooks

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Introduction to the indigenous literatures of North America, focusing on the relationship between oral traditions, language, and contemporary writing. Explores the form and function of political prose, personal narrative, fiction, and poetry within particular cultural, historical, and political frameworks. Major works include Erdrich's *Love Medicine*, Silko's *Storyteller* and Welch's *Fools Crow*, as well as the short fiction of Alexie and Vizenor, the political prose of Deloria, and the poetry of Brant, Harjo, and Ortiz.

English 193. An Introduction to 20th-Century Literary Theory

Catalog Number: 8913

Leland P. de la Durantaye

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

An introduction to 20th-century literary theory. We examine the principal trends in 20th-century literary criticism, including New Criticism, phenomenological criticism, psychoanalytical



criticism, semiology, the Frankfurt school, French structuralist and post-structuralist thought, new historicism, and multiculturalism. Readings may include Auerbach, Adorno, Curtius, de Man, Derrida, Foucault, Spitzer, Gadamer, Frye, Eco, Freud, Lacan.

[English 195x. Contemporary African American Literature](#)

Catalog Number: 0098

Glenda R. Carpio

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Discussion of African American novels, plays and poetry produced since the 1960s. Among other topics, we will discuss the Black Arts Movement, the renaissance of black women authors in the 1970s, the rise of the neo-slave narrative, and black postmodern texts. Major authors will include but not be limited to Ishmael Reed, Charles Johnson, Toni Morrison, Samuel Delaney, Adrienne Kennedy, Gwendolyn Brooks, Rita Dove, Suzan-Lori Parks, and Colson Whitehead.

Other Courses Offered by Members of the English Department

[African and African American Studies 116. Autobiography and Literary Imagination](#)

[African and African American Studies 122. Caribbean Women Writers](#)

[African and African American Studies 131. African-American Literature to the 1920s](#)

[*American Civilization 201 (formerly *American Civilization 371). Themes in the History of American Civilization]

[*Comparative Literature 283. Language War: Seminar]

[Dramatic Arts 64. Dramatic Literature from the Greeks to Ibsen]

[Folklore and Mythology 127. Motherland: Gender, Indigeneity, and the American Environment - \(New Course\)](#)

[*Freshman Seminar 31n. Beauty and Christianity - \(New Course\)](#)

[*Freshman Seminar 32k. The Poetry of Walt Whitman](#)

[*Freshman Seminar 33x. Complexity in Works of Art: *Ulysses* and *Hamlet*](#)

[*Freshman Seminar 38j. Medicine and Literature](#)

[*Freshman Seminar 39m. Global Asian and African Diasporas] - (New Course)

[*Freshman Seminar 39p. The Practice of Autobiography](#)

[*Humanities 10. An Introductory Humanities Colloquium - \(New Course\)](#)

[Humanities 22. Global Pathways] - (New Course)

[Humanities 25. Literature and Human Suffering] - (New Course)

[Humanities 26. Arts and Minds] - (New Course)

[Humanities 28 (formerly English 190x). Philosophy and Literature: The Problem of Consent]

[*Literature 119. Comparative Arts]

[*Literature 172 \(formerly *Comparative Literature 172\). Paralysis](#)

[Literature and Arts A-11. Arthurian Literature: Epic versus Romance](#)

[Literature and Arts A-22. Poems, Poets, Poetry](#)

[Literature and Arts A-64. American Literature and the American Environment](#)

[Literature and Arts A-72. The Enlightenment Invention of the Modern Self](#)

[Literature and Arts A-86. American Protest Literature from Tom Paine to Tupac]

[Literature and Arts A-88. Interracial Literature - \(New Course\)](#)

[Literature and Arts C-56. Putting Modernism Together](#)



Medieval Studies 114. The Medieval Imagination: Visions, Dreams, and Prophecies - (New Course)

Visual and Environmental Studies 72 (formerly 172h). Sound Cinema

[Visual and Environmental Studies 195. The Contemporary Hollywood Cinema]

Primarily for Graduates

***English 200. Chaucer and His Books: Graduate Seminar - (New Course)**

Catalog Number: 1353

Nicholas Watson

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

A study of England's most famous medieval poet through his reading of *The Dream of Scipio*, *The Consolation of Philosophy*, *The Romance of the Rose*, *The Divine Comedy*, *The Decameron*, *Piers Plowman*, and more.

***English 201. Images, Idolatry and Iconoclasm, 1350-1600: Graduate Seminar**

Catalog Number: 4547

James Simpson

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Images find a very direct way into the depths of the psyche; they provoke both love and fear. Through literary texts, we examine the function of images from the fourteenth to the sixteenth centuries, in both erotic and religious traditions.

***English 210. Early Middle English Identities: Graduate Seminar - (New Course)**

Catalog Number: 3599

Daniel G. Donoghue

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Post-Conquest literature in England witnessed the formation of new linguistic and national identities. At times retrospective and nostalgic, at times innovative, it was a period of ambivalence on many levels. We will read through a variety of genres, with facing page translations for the more difficult texts, but always with attention to the language. Texts include Lawman's *Brut*, *The Owl and the Nightingale*, various lyrics, the *South English Legendary*, *Sir Orfeo*, *Dame Sirith*, and others.

***English 226. Renaissance Materialism and Carnality: Graduate Seminar**

Catalog Number: 8311

Stephen J. Greenblatt

Half course (spring term). Th., 11–1. EXAM GROUP: 13, 14

Explores the Renaissance rediscovery of ancient materialism and its related fascination with the impulses, experiences, and fate of the body. Key figures: Lucretius, Montaigne, Spenser, Marlowe, Shakespeare, Donne, Bacon, Hobbes, Burton, and Milton.

[*English 228y. Milton and His Contemporaries: Literature and Politics in the Era of the English Revolution (1629-1674): Graduate Seminar]

Catalog Number: 1277

Barbara K. Lewalski



Half course (fall term). Hours to be arranged.

Milton's poetry and prose, examined in relation to other texts that refract the experience and culture of the period: e.g., the poetry of Vaughan, Herrick, the Cavaliers, and Marvell; histories, sermons, political tracts, autobiography, biography.

Note: Expected to be given in 2007–08.

[*English 232z. Literary Forms and Cultural Forces: 1603–1640: Graduate Seminar - \(New Course\)](#)

Catalog Number: 9009

Barbara K. Lewalski

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

With primary focus on Donne, Jonson, Herbert and Mary Wroth, and attention to other male and female writers in a wide range of literary and popular genres, this seminar will examine how and why these works and kinds emerge within certain important sites of cultural production: the court, the church, the city of London, the landed estate, the household, patronage circles, coteries. A central issue is, how such genres and texts are affected by, and how they affect, cultural norms and institutions in Jacobean and Caroline England.

[*English 242. Restoration and 18th-Century Texts: Graduate Seminar](#)

Catalog Number: 9175

James Engell

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Dryden, Pope, Swift, Johnson, Burke, Gibbon, Montagu, and others; the lyric, periodical literature, satire, biography, and drama; relations of engaged literature with politics, religion, history; issues of audience, gender, class, genre, and canon.

Note: An intensive introduction to 18th-century literature at the graduate level. Presupposes no previous acquaintance with field. Graduate students who have studied 18th-century literature should consult with the instructor. Open to qualified honors undergraduates.

[*English 243. Studies in the Enlightenment: Graduate Seminar - \(New Course\)](#)

Catalog Number: 1226

Leo Damrosch

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Autobiographical, fictional, and philosophical texts that inaugurate modern interpretations of self and society. Writers to be read include Mme. de Lafayette, Hume, Voltaire, Boswell, Gibbon, Diderot, Rousseau, Laclos, Franklin, and Blake.

[*English 255. European Romantic and Post-romantic Approaches to Literature: Graduate Seminar - \(New Course\)](#)

Catalog Number: 7071

Timothy Bahti

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Introduction to European approaches to literature from romanticism to the present, contrasting the poetic and the philosophic. Schlegel, Hegel, Baudelaire, Mallarmé, Benjamin, Jakobson, Empson, Heidegger, Adorno, Blanchot, Derrida.



***English 273. American Literary Emergence and Transatlantic Imagination: Graduate Seminar - (New Course)**

Catalog Number: 3860

Lawrence Buell

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Works by Emerson, Hawthorne, Melville, Stowe, Whitman, and Dickinson read in conversation with such Victorian models and counterparts as Dickens, Tennyson, Eliot, and Stevenson, along with newer criticism/theory of literary/cultural transnationalism.

[*English 276. Space, Place, and Imagination: Graduate Seminar]

Catalog Number: 4162

Lawrence Buell

Half course (spring term). Hours to be arranged.

Major works from Thoreau, Whitman, and Melville to the present, most but not all American, considered, with reference to phenomenology of place, cultural anthropology, social space discourse, landscape and gender studies, urban and ecocritical theory.

Note: Expected to be given in 2007–08.

***English 276x. African-American Literary Tradition: Graduate Seminar**

Catalog Number: 3536

Henry Louis Gates, Jr.

Half course (spring term). Tu., 2–4.

An exploration of the emergence and formal development of the African-American literary “tradition” from the 18th to the 20th century. Close reading of the canonical texts in the tradition, with attention to their structural relationships.

***English 279. Foreign Affair? Literature and Culture of the US Occupation of Germany, 1945–1955: Graduate Seminar - (New Course)**

Catalog Number: 6331

Werner Sollors

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

How did literature, letters, diaries, sound recordings, photography, film, scholarship, and reportage by occupiers and occupied represent military occupation at the time it took place? The seminar examines fictional and nonfictional, published, private, and archival sources.

***English 281. Studies in Modern Poetry: Graduate Seminar - (New Course)**

Catalog Number: 0894

Peter Sacks

Half course (spring term). Tu., 2–4.

Studies the work of several English-language poets since the Second World War: Moore, Larkin, Lowell, Bishop, Hecht, Bidart, Heaney, Ashbery, Rich, Merrill, and others.

***English 282. Theories of Modernism: Graduate Seminar**

Catalog Number: 4337

Daniel Albright

Half course (fall term). Tu., 10–12. EXAM GROUP: 12, 13



Modernism's theories of itself—manifestoes, polemics, declarations—tested against Modernist practice. Principal figures: Yeats, Pound, Woolf, Eliot, Hulme, Cocteau, Breton, Brecht. Also some attention to the discourse of musicians and painters: Schoenberg, Stravinsky, Adorno, Kandinsky.

***English 283. Describing the Lyric: Graduate Seminar**

Catalog Number: 1319

Helen Vendler

Half course (spring term). Tu., 12–2.

Each change in period style presents a problem of description to the critic. We consider a wide range of poetic styles, from the court styles of Elizabethan poetry through the aleatory styles of such contemporary poets as Ammons, Ashbery, and Graham, inquiring in each case which avenues of description prove productive.

***English 287. Cinematic Adaptation: Graduate Seminar - (New Course)**

Catalog Number: 9493

J. D. Connor

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Surveys history and theory of adaptation. Emphasis on industrial and craft practice, notions of adaptability, and debates over medium specificity in both modern and postmodern contexts.

[*English 290. Postcolonial Discourse: Graduate Seminar] - (New Course)

Catalog Number: 8960

Sharmila Sen

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Where, what, when, and who is the postcolonial? An introduction to the major questions in the field of postcolonial studies with an emphasis on texts from Africa, the Caribbean, and South Asia.

Note: Expected to be given in 2007–08.

***English 291. Weird English: Graduate Seminar - (New Course)**

Catalog Number: 5990

Marc Shell

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

What difference does language difference make? What is a language disorder? Who defines it? Topics include punning and perseveration (Shakespeare) and dyslexia (Yeats). Seminar meetings focus on stuttering (*Billy Budd*), accent (*Pygmalion*), semi-lingualism (*Power of Silence*), mixed languages (*Finnegans Wake*), speechlessness (*Johnny's Got His Gun*), and animal talk (*Roger Rabbit*). Secondary reading includes philology, neurology, and historical accounts of such defining characteristics of the English language itself as a blaut reduplication (shilly shally).

***English 294z. On Beauty: Graduate Seminar**

Catalog Number: 7277

Elaine Scarry

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Philosophic and literary accounts of beauty from Greek through modern, including Plato,



Aquinas, Dante, Kant, Keats, and Rilke. In addition, the major arguments against beauty; and its stability across four objects (God, gardens, persons, and poems).

***English 297. Cultural Studies: Graduate Seminar - (New Course)**

Catalog Number: 3439

Marjorie Garber

Half course (fall term). Tu., 12–2. EXAM GROUP: 14, 15

As a critical genre, cultural studies is situated at the intersection between cultural criticism and theory and such discursive fields as literature, media, politics, psychoanalysis, material culture, film, fashion, photography, advertising, ethnography, and the performance of everyday life. This course will include readings from Barthes, Benjamin, Bourdieu, Foucault, Geertz, Hall, Sontag, Williams, Hebdige, and contemporary literary and cultural critics.

***English 298. Literary Theory in the Life of Literature: Graduate Seminar**

Catalog Number: 3464

Homi K. Bhabha

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Interactions between concepts central to literary theory—*genre* and ‘textuality’, writing and ‘difference’, ethics and interpretation, narrative and cultural translation—and literature embodying such concerns. Barthes, Habermas, Derrida, Lacan, Carey, Forster, Ghosh, Morrison, Rushdie, others.

Graduate Courses of Reading and Research

***English 300hf. Old and Middle English: Doctoral Conference**

Catalog Number: 2334

Daniel G. Donoghue 1469, Joseph C. Harris 1089, James Simpson 4791, and Nicholas Watson 3851

Half course (throughout the year). Hours to be arranged.

The Conference focuses upon theses in progress and other research topics of mutual concern. Membership limited to faculty members teaching or conducting research in medieval English language and literature and to graduate students working in this field.

Note: Enrollment is open to all graduate students but is required of those who have been admitted to candidacy for the PhD and who intend to work on a medieval subject.

***English 302hf. Renaissance: Doctoral Conference**

Catalog Number: 2814

Marjorie Garber 7264, Stephen J. Greenblatt 3436, Barbara K. Lewalski 7450, John Parker 3729, and Gordon Teskey 4466 (on leave spring term)

Half course (throughout the year). Alternate W., at 4:15.

The Conference focuses upon theses in progress and other research topics of mutual interest.

Note: Limited to faculty members teaching or conducting research in Renaissance literary studies and to graduate students working in the field. Enrollment is open to all such students, and is required of those who have been admitted to candidacy for the PhD and who intend to work on Renaissance topics.



***English 304hf. The Extended 18th Century: Doctoral Conference**

Catalog Number: 6110

Leo Damrosch 2200, James Engell 8076, Leah Price 3501 (on leave 2006-07), and Michael Shinagel 7659

Half course (throughout the year). Hours to be arranged.

Focuses on dissertations, dissertations in progress, and research topics of mutual interest.

Note: Required of graduate students working, or intending to work, on the Restoration, 18th century, or Romanticism (the periods 1660–1830), and who have been admitted to candidacy for the PhD. Open to other students working on topics in Restoration and 18th-century literature.

***English 305. Narrative (1800 to the Present): Doctoral Conference**

Catalog Number: 4846

Philip J. Fisher 1470

Half course (fall term; repeated spring term). Hours to be arranged.

The Conference focuses on dissertations in progress and other research topics of mutual concern.

Note: Limited to faculty members teaching or conducting research in 19th- and 20th-century British and American fiction and to graduate students working in the field. Enrollment is open to all such students, and is required of those who have been admitted to candidacy for the PhD and who intend to work in the field.

***English 306hf. 19th- and 20th-Century British Literature: Doctoral Conference**

Catalog Number: 5268

Leah Price 3501 (on leave 2006-07)

Half course (throughout the year). Hours to be arranged.

***English 308hf. Drama: Doctoral Conference**

Catalog Number: 6909

Marjorie Garber 7264, Elizabeth D. Lyman 4433, and Elaine Scarry 2206

Half course (throughout the year). Hours to be arranged.

Focuses on research topics related to dramatic literature, theatre, and performance. Open to all faculty members and graduate students teaching or conducting research in the field.

***English 310hfr. American Literature and Culture: Doctoral Conference**

Catalog Number: 6235

Lawrence Buell 2655, Elisa New 2428, and Werner Sollors 7424

Half course (throughout the year). Hours to be arranged.

Colloquium open to all graduate students working in the area of American literature and culture.

Papers delivered by students writing seminar papers or dissertations, faculty members, and visiting scholars.

***English 314hf. 20th-Century Literature and Cultural Theory: Doctoral Conference**

Catalog Number: 1410

Homi K. Bhabha 4100 and Sharmila Sen 2509

Half course (throughout the year). Hours to be arranged.

Topics include African-American literature, contemporary literature, drama, film and/or performance, modernism, literary and cultural theory, postcolonial studies, postmodernism and



Anglophone literatures. Work in progress, as well as dissertation chapters and potential articles and conference papers, encouraged.

Note: Open to all graduate students and faculty working in 20th-century literature and cultural theory.

***English 350. Teaching Colloquium**

Catalog Number: 8208

Marjorie Garber 7264 and Elizabeth D. Lyman 4433

Half course (fall term). M., 4–6 (biweekly).

The craft of teaching (discussion, lectures, tutorials, course descriptions, syllabi). This colloquium, designed for third-year graduate students, will also consider issues related to the field exam, prospectus, and other aspects of advanced graduate study in English.

Note: Required of all third-year graduate students.

***English 397. Directed Study**

Catalog Number: 6588

Members of the Department

***English 398. Direction of Doctoral Dissertations**

Catalog Number: 5968

Daniel Albright 4615, Homi K. Bhabha 4100, Lawrence Buell 2655, Glenda R. Carpio 4408, Leo Damrosch 2200, Leland P. de la Durantaye 4457 (on leave fall term), Daniel G. Donoghue 1469, James Engell 8076, Philip J. Fisher 1470, Marjorie Garber 7264, Henry Louis Gates, Jr. 2899, Jorie Graham 2358 (on leave fall term), Stephen J. Greenblatt 3436, Joseph C. Harris 1089, Barbara K. Lewalski 7450, Elizabeth D. Lyman 4433, Louis Menand 4752, Elisa New 2428, Peter C. Nohrnberg 4726 (on leave 2006-07), John M. Picker 3728 (on leave 2006-07), Leah Price 3501 (on leave 2006-07), Peter Sacks 2161 (on leave fall term), Elaine Scarry 2206, Sharmila Sen 2509, Marc Shell 3176 (on leave fall term), Michael Shinagel 7659, James Simpson 4791, Werner Sollors 7424, John Stauffer 1006, Gordon Teskey 4466 (on leave spring term), Helen Vendler 7226, and Nicholas Watson 3851

Note: Normally limited to students reading specifically in the field of a proposed doctoral dissertation. Open only by petition to the Department; petitions should be presented during the term preceding enrollment, and must be signed by the instructor with whom the reading is to be done. All applicants for admission should first confer with the Director of Graduate Studies.

***English 399. Reading and Research**

Catalog Number: 1825

Members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Conducted through regular conferences and assigned writing. Limited to students reading specifically on topics not covered in regular courses. Open only by petition to the Department; petitions should be presented during the term preceding enrollment, and must be signed by the instructor with whom the reading is to be done. All applicants for admission should first confer with the Director of Graduate Studies.



Environmental Science and Public Policy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Environmental Science and Public Policy

James J. McCarthy, Professor of Biological Oceanography and Alexander Agassiz Professor of Biological Oceanography (*Chair*)

William C. Clark, Harvey Brooks Professor of International Science Public Policy and Human Development (*Kennedy School*)

Richard T. T. Forman, Professor of Advanced Environmental Studies in the Field of Landscape Ecology (*Design School*)

Jerry R. Green, John Leverett Professor and David A. Wells Professor of Political Economy (*on leave spring term*)

N. Michele Holbrook, Charles Bullard Professor of Forestry

John P. Holdren, Professor of Environmental Science and Public Policy (*FAS*) and Teresa and John Heinz Professor of Environmental Science and Public Policy (*Kennedy School*)

Sheila S. Jasanoff, Pforzheimer Professor of Science and Technology Studies (*Kennedy School*)

Michael B. McElroy, Gilbert Butler Professor of Environmental Studies

Peter P. Rogers, Gordon McKay Professor of Environmental Engineering (*on leave spring term*)

Daniel P. Schrag, Professor of Earth and Planetary Sciences and Professor of Environmental Science and Engineering

Robert N. Stavins, Albert Pratt Professor of Business and Government (*Kennedy School*)

Steven C. Wofsy, Abbott Lawrence Rotch Professor of Atmospheric and Environmental Science

Other Faculty Offering Instruction in Environmental Science and Public Policy

Henry Ehrenreich, Clowes Professor of Science, Emeritus

Paul R. Epstein, Lecturer on Environmental Science and Public Policy

James S. Hoyte, Lecturer on Environmental Science and Public Policy

Jennifer Leaning, Professor of International Health (*Public Health*) and Assistant Professor of Medicine (*Medical School*)

The Environmental Science and Public Policy concentration is overseen by a Standing Committee functioning as a Board of Tutors including representatives from several departments of the Faculty of Arts and Sciences and from other schools as appropriate to ensure the requisite breadth of the program.

The concentration is designed to provide a multidisciplinary introduction to current problems of the environment. It is founded on the premise that the ability to form rational judgments concerning many of the complex challenges confronting society today involving the environment requires both an understanding of the underlying scientific and technical issues and an appreciation for the relevant economic, political, legal, historical, and ethical dimensions. It



offers students an opportunity to specialize in a specific area of either natural or social science relating to the environment. All students have to satisfy a core of requirements in biology, chemistry, earth and planetary sciences, economics, government, and mathematics.

Primarily for Undergraduates

Environmental Science and Public Policy 10. Environmental Science for Public Policy

Catalog Number: 6383

William C. Clark (Kennedy School)

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

This course explores the role of science in shaping environmental policy. How can research become a more effective source of useful knowledge for managing interactions between nature and society? How should a democracy subject scientific advice to political control? How do scientists grapple with the stresses of discovering and communicating useful knowledge on highly politicized issues? The course explores such questions through in-depth case studies of environmental policy-making taught by faculty from across the university.

Note: Intended for interested students from all concentrations.

Environmental Science and Public Policy 78. Environmental Politics

Catalog Number: 3613 Enrollment: Limited to 30.

Sheila S. Jasanoff (Kennedy School)

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

An introduction to the history, organization, goals, and ideals of environmental protection in America. Examines the shift in emphasis from nature protection to pollution control to sustainability over the 20th century and develops critical tools to analyze changing conceptions of nature and the role of science in environmental policy formulation. Of central interest is the relationship between knowledge, uncertainty, and political or legal action. Theoretical approaches are combined with case studies of major episodes and controversies in environmental protection.

Environmental Science and Public Policy 90. Junior Seminars

Enrollment in these seminars is limited, with preference given to Environmental Science and Public Policy concentrators in their junior year. One junior seminar fulfills the junior seminar requirement for Environmental Science and Public Policy concentrators.

***Environmental Science and Public Policy 90a. Energy, Technology, and the Environment**

Catalog Number: 2189

Michael B. McElroy

Half course (fall term). Tu., 1–4. EXAM GROUP: 15, 16, 17

The seminar will provide an account of the technologies that shape our world with a perspective on how they evolved, the benefits that ensued and the environmental challenges that arose as a consequence. Topics include prospects for renewable energy and options to minimize damage from conventional sources of energy. Specific attention is directed to challenges faced by large developing economies emphasizing the need for a cooperative approach to ensure an equitable, environmentally sustainable, global future.



***Environmental Science and Public Policy 90c. Ecology and Land-Use Planning**

Catalog Number: 3792

Richard T. T. Forman (Design School)

Half course (spring term). M., 2–5:15, including a required one-week field study, and a one-day field study. EXAM GROUP: 7, 8, 9

Investigation of how local and regional human activities such as housing, agriculture, water supply, and natural resource use can be arranged in the landscape so that environmental processes are not disrupted and ecosystems are maintained for the long term. The focus is on learning and applying spatial and ecological principles to land-use planning with the intention of regional biodiversity conservation, maintenance of water quality, and addressing other environmental issues.

***Environmental Science and Public Policy 90d. Status of Environmental Justice as a Public Policy Issue**

Catalog Number: 5824

James S. Hoyte

Half course (fall term). W., 4–6. EXAM GROUP: 9

Examines the influences of race, socioeconomic status, and interest group politics in the formulation and implementation of US federal and state environmental policy. Topics include the civil rights struggle and the environmental justice movement, role of race in environmental policymaking, residential and occupational exposure patterns of environmental pollution, racial diversity in the environmental movement, socioeconomic factors shaping the research agenda for environmental affairs, facilities siting and community impacts, and lead contamination as an environmental justice issue.

Note: Offered jointly with the Kennedy School as ENR-205.

***Environmental Science and Public Policy 90e. Conservation Biology**

Catalog Number: 6879

Tamas Szekely

Half course (spring term). Tu., 1–4. EXAM GROUP: 15, 16, 17

The biological diversity of the planet is rapidly being depleted by human actions that reduce species to sizes where they become susceptible to extinction due to chance effects (environmental, demographic and genetic stochasticity). Concerned with the use of genetics to minimize extinction risk. Deals with the extent of genetic diversity, the forces affecting it, and the effects of population size reduction on genetic diversity and reproductive fitness.

Note: Local field trips within New England to be arranged.

***Environmental Science and Public Policy 90f. Global Change and Human Health**

Catalog Number: 4434

James J. McCarthy and Paul R. Epstein

Half course (spring term). Tu., 1:30–4. EXAM GROUP: 15, 16, 17

Global consequences of increasing human population and our consumption of natural resources include extensive changes in many natural ecosystems and in the composition of Earth's atmosphere. In the last decade, geographic ranges of certain well known infectious diseases have expanded and new diseases have become threats to human health. This seminar explores



hypothesized linkages between changes in ecosystems, climate, and the epidemiology of certain infectious diseases.

***Environmental Science and Public Policy 90h. Energy Problems and Promises**

Catalog Number: 2284

Henry Ehrenreich

Half course (spring term). W., 1–3:30. EXAM GROUP: 6, 7, 8

The likely exhaustion of cheap oil in the near future, ambiguous political attitudes toward pollution and other problems mandate the development of alternative energy resources and technologies. The seminar will consider fossil fuel, wind, solar, nuclear energy, electrical and hydrogen mediated transmission, and novel technologies such as fuel cells and hybrid cars, all historically related to economic and social needs.

Note: Student participation includes a term paper, an oral class presentation, and involvement in seminar discussions.

Prerequisite: High school physics or chemistry or permission of the instructor.

***Environmental Science and Public Policy 90j. Environmental Crises and Population Flight - (New Course)**

Catalog Number: 9841

Jennifer Leaning (Public Health, Medical School)

Half course (spring term). Th., 2–4:30. EXAM GROUP: 16, 17, 18

War, disaster, drought, or famine force people to flee their land. The humanitarian consequences of this loss of place and livelihood are filled with complexity, relating to the extent and permanence of environmental destruction wrought by these crises, people's attachment to their homes and ecosystems, the circumstances of departure, the destinations of refuge, and the possibilities for return. These issues will be examined through case studies and review of literature on forced migration and calamity.

Note: The first class meeting will be Tuesday, February 6 at 2pm in Hoffman Laboratory Room 311.

[*Environmental Science and Public Policy 90m. Technological Approaches to Mitigation of Climate Change]

Catalog Number: 0545

Daniel P. Schrag and James J. McCarthy

Half course (fall term). Hours to be arranged.

A variety of technological approaches have been proposed to mitigate the risks posed by human-induced climate change. Prominent among these are carbon sequestration mechanisms. In addition, the hydrogen fuel cell might replace fossil fuels in distributed energy generation. In this seminar, we explore these emerging technologies and consider the technological limitations, the geological and ecological consequences, and the political and economic implications.

Note: Expected to be given in 2007–08.

***Environmental Science and Public Policy 91r. Supervised Reading and Research**

Catalog Number: 1705

James J. McCarthy and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.



Supervised reading and research on topics not covered by regular courses of instruction. Students must complete a registration form, including permission from their faculty sponsor, with the concentration office before course enrollment. A final paper describing the research/reading completed during the term is due in duplicate to the Head Tutor on the first day of reading period.

Note: Intended for junior and senior concentrators in Environmental Science and Public Policy; open to sophomore concentrators only under exceptional circumstances. Permission of the Head Tutor is required for enrollment. May be counted for concentration only with the special permission of the Head Tutor.

***Environmental Science and Public Policy 99r. Tutorial — Senior Year**

Catalog Number: 5666

James J. McCarthy and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Senior honors candidates must take at least one term of this course (fall or spring) while writing a thesis. If taken for two terms, only one term can be counted toward meeting concentration requirements.

Ethnic Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Ethnic Studies

Kay Kaufman Shelemay, G. Gordon Watts Professor of Music and Professor of African and African American Studies (*Chair*)

Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures

Lisa T. Brooks, Assistant Professor of History and Literature and of Folklore and Mythology

Vincent Brown, Assistant Professor of History

Joyce E. Chaplin, James Duncan Phillips Professor of Early American History (*on leave 2006-07*)

Kimberly McClain DaCosta, Associate Professor of African and African American Studies and of Social Studies

Deborah D. Foster, Senior Lecturer on Folklore and Mythology

Jennifer L. Hochschild, Henry LaBarre Jayne Professor of Government and Professor of African and African American Studies

Michèle Lamont, Robert I. Goldman Professor of European Studies and Professor of Sociology and of African and African American Studies (*on leave 2006-07*)

Susan W. Lewis, Director of the Core Program

Carmen D. Lopez, Executive Director, Harvard University Native American Program (*Kennedy*)



School)

Malinda Maynor Lowery, Assistant Professor of History (*on leave 2007-08*)

Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English (*on leave fall term*)

Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of African and African American Studies

Rachel St. John, Assistant Professor of History

Lucien G. Taylor, Assistant Professor of Visual and Environmental Studies and of Anthropology (*on leave spring term*)

Mary C. Waters, M. E. Zukerman Professor of Sociology

The Committee on Ethnic Studies is an Interdisciplinary Coordinating Committee constituted of faculty members from across the disciplines appointed to encourage and promote course offerings on ethnicity in the US. Ethnic studies might briefly be described as the study of aspects of collective identity shaped by factors ranging from descent to affinity. The field has emerged from and continues to flourish within individual departments as well as across disciplinary boundaries. Methodologies for the study of ethnicity vary, as does subject matter, which ranges from expressive culture to social organization, but scholars in ethnic studies share the challenge of studying intensely heterogeneous populations and materials. American ethnic communities have provided an important focus as well as particularly rich units of study for scholars of ethnicity, giving rise to many of the foundational works in the field. At the same time, both research and pedagogy in ethnic studies is often international and comparative in its purview due to the interaction between and among communities within individual locales as well as the global flow of people in diaspora. Ethnic studies have further given rise to a lively and growing body of theoretical work, sparked in part by the necessity to document and interpret the redefinition of identity through on-going processes shaped both by descent and consent.

The Committee on Ethnic Studies oversees the disposition of two FTE's annually to bring to campus visitors who offer courses in Native American, US Latino, and Asian American Studies. Past course offerings have spanned such topics as Native American Art and Architecture, Asian American Literature, Spanish Caribbean Music, Comparative Urban Latino Politics, and the relationship among Native Americans, Hispanos, and Anglos in the American Southwest.

To see additional committee activities, please see the website: www.fas.harvard.edu/~cesh/

The Committee does not offer an undergraduate concentration or an advanced degree. However, concentrations focusing on topics relating to ethnic studies can be undertaken through many departments, as well as within programs such as Social Studies, History and Literature, Folklore and Mythology, and Special Concentrations.

Core Courses in Ethnic Studies

[Foreign Cultures 46. Caribbean Societies: Socioeconomic Change and Cultural Adaptations](#)

[Foreign Cultures 60. Individual, Community, and Nation in Vietnam]

[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies](#)



Foreign Cultures 82. Modern Arabic Narratives: Self, Society, and Culture

[Foreign Cultures 86. West African Cultures]

Foreign Cultures 88. The African Experience: Between Tradition and Modernity

Historical Study A-14. Japan: Tradition and Transformation

Historical Study A-16. The Making of Modern South Asia

Historical Study A-67. Gendered Communities: Women, Islam, and Nationalism in the Middle East and North Africa

[Literature and Arts A-48. Modern Jewish Literature]

Literature and Arts A-88. Interracial Literature - (New Course)

[Literature and Arts B-78. Soundscapes: Exploring Music in a Changing World]

[Literature and Arts B-82. Sayin' Something: Jazz as Sound, Sensibility, and Social Dialogue]

Social Analysis 54. American Society and Public Policy

Social Analysis 66. Race, Ethnicity, and Politics in the United States

Freshman Seminars in Ethnic Studies

***Freshman Seminar 33k. Representing Whiteness: Ethnic American Writers Return the Gaze - (New Course)**

***Freshman Seminar 41x. "This Land is Whose Land?": Sacred Places and American Law - (New Course)**

Courses with a Primary Focus on Ethnicity in the United States

History 1612. African Diaspora in the Americas: Conference Course

***History 1635. Race and Race Relations Since Plessy: Conference Course**

History 1638. American Social History Since 1920

***History 1645. History of American Immigration: Conference Course**

[History 1655. Native American Identities: Conference Course]

History 1657. Native America: The East

History 1658. Native America: The West

[*History 1661. Social Thought in Modern America]

[Sociology 60. Sociology of Race and Ethnicity]

Courses Related to Ethnicity and the United States

Anthropology 1090. Ethnography and Archaeology

***Anthropology 1610. Ethnographic Research Methods**

[Anthropology 1760 (formerly Anthropology 153). Nationalism and Bureaucracy]

***Anthropology 1850. Ethnography as Practice and Genre**

Chinese Literature 132. Chinatowns

[*Economics 1357. Historical Perspectives on American Economic Ascendancy]

[Economics 1815. Social Problems of the American Economy]

***English 90cm. Mapping the World: Medieval Romance - (New Course)**

English 187. Native American Literary Traditions - (New Course)

Folklore and Mythology 114. Embodied Expression/Expressive Body: Dance in Cultural



Context

Government 20. Introduction to Comparative Politics

*Government 90ej. Social Identities

History 1610. Confronting Objects/Interpreting Culture: Interdisciplinary Perspectives on North America: Conference Course

History 1690. The US and Imperialism: Conference Course

Music 194r. Special Topics: Proseminar

[*Psychology 1553. Positive Intergroup Relations]

Religion 16 (formerly Religion 1004). Religious Dimensions in Human Experience

*Social Studies 98hq. Civil War and Peace

[Sociology 60. Sociology of Race and Ethnicity]

[Sociology 149. Ethnicity: Comparative and Historical Perspectives: Conference Course]

[Sociology 184. Freedom in America: An Historical Sociology: Conference Course]

Studies of Women, Gender, and Sexuality 1003. Theories of Sexuality: Nationalism, Colonialism, Globalization

[Visual and Environmental Studies 189. Exploring Culture Through Film]

Courses Related to Ethnicity outside the United States

[African and African American Studies 141. Afro-Atlantic Religions]

[Anthropology 1760 (formerly Anthropology 153). Nationalism and Bureaucracy]

Chinese Literature 132. Chinatowns

[Folklore and Mythology 115 (formerly Folklore and Mythology 90b). The African Oral Narrative Tradition: Seminar]

French 70c. Introduction to French Literature III: The Francophone World

*Government 90gs. Civil Society in Asia

Government 1295. Comparative Politics in Latin America

[Government 1760. International Relations of East Asia]

History 1610. Confronting Objects/Interpreting Culture: Interdisciplinary Perspectives on North America: Conference Course

History 1958. Islam and Ethnicity: Conference Course

[History of Art and Architecture 193. Painting Traditions in Africa]

[Indian Studies 110. History of South Asia to 1200 CE]

Islamic Civilizations 124. Central Asian Culture and Society

[Islamic Civilizations 160. The Meanings of Islam in Central Asia]

Literature 166 (formerly Comparative Literature 166). The Comic Tradition in Jewish Culture

Music 190r. Topics in World Music: Proseminar

[Music 206r. Research Methods in Ethnomusicology: Musical Ethnography]

Music 207r. Ethnomusicology: Seminar

Portuguese 37. Brasil hoje: Contemporary Brazilian Culture through Media

Portuguese 44 (formerly Portuguese 38). Images of Brazil: Contemporary Brazilian Cinema

[Religion 11. World Religions: Diversity and Dialogue]

*Social Studies 98gf. Modernity and Social Change in East Asia

[Sociology 149. Ethnicity: Comparative and Historical Perspectives: Conference Course]



[Studies of Women, Gender, and Sexuality 1001. Feminist Theory: Postcolonial Perspectives](#)
[Studies of Women, Gender, and Sexuality 1220. Harem Fictions: From Montesquieu to Mernissi - \(New Course\)](#)

European Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on European Studies

David Blackburn, Coolidge Professor of History (*on leave fall term*)
Peter J. Burgard, Professor of German
Pepper D. Culpepper, Associate Professor of Public Policy (*Kennedy School*)
Grzegorz Ekiert, Professor of Government (*on leave 2006-07*)
Niall Ferguson, Laurence A. Tisch Professor of History (*FAS*) and Professor of Business Administration (*Business School*)
Guido G. Goldman, Associate of the Center for European Studies
Peter E. Gordon, Professor of History
Patrice Higonnet, Robert Walton Goelet Professor of French History
Stanley Hoffmann, Paul and Catherine Buittenwieser University Professor
Torben Iversen, Harold Hitchings Burbank Professor of Political Economy
Mary D. Lewis, John L. Loeb Associate Professor of the Social Sciences
Charles S. Maier, Leverett Saltonstall Professor of History (*on leave spring term*)
Cindy Skach, Associate Professor of Government (*on leave 2006-07*)
Theda Skocpol, Victor S. Thomas Professor of Government and Sociology and Dean of the Graduate School of Arts and Sciences
Judith Surkis, Associate Professor of History and of History and Literature (*on leave fall term*)
Daniel F. Ziblatt, Assistant Professor of Government and of Social Studies (*on leave 2007-08*)

The Standing Committee on European Studies is the formal oversight body for the Minda de Gunzburg Center for European Studies. It is comprised of those permanent faculty members who have offices in the Center and selected other representatives of FAS and of other universities in the Boston area who remain active in the study and teaching of modern Europe.

For over thirty years, the Center for European Studies has offered an interdisciplinary program designed to enhance the knowledge and understanding of political, social, economic, and cultural developments in modern Europe. Its members' intellectual approaches encompass history, political science, political economy, anthropology, sociology and cultural studies. Its purview includes all the regions of Europe as well as the institutional structures within individual countries and the European Union. The Center funds undergraduate thesis travel, dissertation



fellowships, and offers several post-doctoral fellowships. Its quarters in Busch Hall provide office space for faculty, visiting scholars, and doctoral students on Europe. At the same time, the Center supports several study groups that maintain a schedule of seminars and presentations by visiting scholars and speakers from the world of public affairs and it organizes periodic conferences and workshops on European affairs. It maintains a program for the study of Germany and Europe initially funded by the Federal Republic of Germany and now supported by the Center's endowments. The Center is actively engaged in cooperation to advance European studies with other Harvard Faculties and Boston-area universities.

Expository Writing

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Writing and Speaking

James Engell, Gurney Professor of English Literature and Professor of Comparative Literature
(*Chair*)

Mahzarin R. Banaji, Richard Clarke Cabot Professor of Social Ethics

Noël Bisson, Assistant Dean of Harvard College (*ex officio*)

Georgene B. Herschbach, Associate Dean of Undergraduate Academic Programs (*ex officio*)

John Huth, Donner Professor of Science

N. Gregory Mankiw, Robert M. Beren Professor of Economics

Lisa L. Martin, Clarence Dillon Professor of International Affairs

David McCann, Korea Foundation Professor of Korean Literature

Sandra Naddaff, Senior Lecturer on Literature and Comparative Literature

Naomi E. Pierce, Sidney A. and John H. Hessel Professor of Biology and Curator of Lepidoptera

Nancy Sommers, Senior Lecturer on Expository Writing

James Wilkinson, Lecturer on History and Literature

Note: The Standing Committee on Writing and Speaking was created by Faculty vote in May 2006 and 2006–07 membership had not been determined at the time *Courses of Instruction* went to press. Membership information will be available in the on-line course catalog in the fall of 2006.

Other Faculty Offering Instruction in the Expository Writing Program

Laura L. Adams, Lecturer in Sociology, Preceptor in Expository Writing

Thomas Akbari, Preceptor in Expository Writing, Contin Ed/Spec Prog Instructor

Patricia M. Bellanca, Preceptor in Expository Writing

A. Licia Carlson, Preceptor in Expository Writing



Anthony B. Cashman, III, Preceptor in Expository Writing
 Kathryn A. Chadbourne, Preceptor in Expository Writing
 Kathryn Bridges Clancy, Preceptor in Expository Writing
 Jill Constantino, Preceptor in Expository Writing
 Sigrid Anderson Cordell, Preceptor in Expository Writing
 Sarah Emsley, Preceptor in Expository Writing
 Herschel J. Farbman, Lecturer on Literature, Preceptor in Expository Writing
 Sarah Ferguson-Wagstaffe, Preceptor in Expository Writing
 Lydia A. Fillingham, Preceptor in Expository Writing
 Brett Flehinger, Preceptor in Expository Writing
 Paul L. Harding, Preceptor in Expository Writing
 Gregory A. Harris, Preceptor in Expository Writing
 Karen L. Heath, Senior Preceptor in Expository Writing
 Charles W. M. Henebry, Lecturer on History and Literature, Preceptor in Expository Writing
(spring term only)
 Luciana L. Herman, Preceptor in Expository Writing
 James P. Herron, Preceptor in Expository Writing, Contin Ed/Spec Prog Instructor
 Jeannine Johnson, Preceptor in Expository Writing, Contin Ed/Spec Prog Instructor
 Damon Krukowski, Preceptor in Expository Writing, Lecturer on Visual and Environmental
 Studies *(spring term only)*
 Marlon D. Kuzmick, Preceptor in Expository Writing
 Suzanne T. Lane, Preceptor in Expository Writing
 Stephen N. Larsen, Preceptor in Expository Writing
 Eric C. LeMay, Preceptor in Expository Writing, Post-Doctoral Fellow in the Bok Center for
 Teaching & Learning
 E. Allen MacDuffie, Harv Grad Stud Fellowship, Teaching Assistant in English and American
 Literature and Language, Preceptor in Expository Writing, Teaching Assistant in the Bok Center
 for Teaching & Learning
 Kelsey W. McNiff, Preceptor in Expository Writing
 Sonja B. Plesset, Preceptor in Expository Writing, Tutor in Mather House, Lecturer on
 Anthropology, Tutor, Assistant Sr (Harv Std)
 Jane A. Rosenzweig, Director of the Writing Center, Preceptor in Expository Writing, Contin
 Ed/Spec Prog Instructor
 Susanna E. Ryan, Preceptor in Expository Writing
 Emily J. Shelton, Preceptor in Expository Writing
 Nancy Sommers, Senior Lecturer on Expository Writing
 Stephen B. Sutherland, Preceptor in Expository Writing *(on leave fall term)*
 Jane E. Unrue, Preceptor in Expository Writing
 Kenneth J. Urban, Preceptor in Expository Writing
 Thane D. Weedon, Preceptor in Expository Writing
 Eric A. Weinberger, Preceptor in Expository Writing
 Benjamin E. Wise, Preceptor in Expository Writing
 Benjamin S. Yost, Preceptor in Expository Writing

For Undergraduates Only



Expository Writing 20 fulfills the basic requirement in Expository Writing, a requirement for all undergraduates in their first year of residence. No Expository Writing courses have midterm or final examinations. For additional information on Expository Writing courses, see www.fas.harvard.edu/~expos.

Expository Writing 10. Introduction to Expository Writing

Catalog Number: 6344 Enrollment: Limited to 10 students per section.

Members of the Department

Half course (fall term). Hours to be arranged.

A rigorous, intensive elective that helps students prepare for the demands of college writing. In small classes, students work closely with instructors on developing and organizing ideas; analyzing sources; and writing clear, lively essays. Students read essays, articles, and short stories and receive a great deal of individual attention.

Note: After taking Expository Writing 10, a student must pass Expository Writing 20 to meet the College's Expository Writing requirement.

Expository Writing 20. Expository Writing

Catalog Number: 5518 Enrollment: Limited to 15 students per section.

Members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Aims to improve each student's ability to discover and reason about evidence through the medium of essays. Each section focuses on a particular theme or topic, as described in the *Guide to Expos Courses and Registration* (available on-line and from the Expository Writing office). All sections give students practice in formulating questions; analyzing both primary and secondary sources, and properly acknowledging them; supporting arguments with strong and detailed evidence; and shaping clear, lively essays. All sections emphasize revision.

[*Expository Writing 52. Style and Styles in Prose]

Catalog Number: 0674

Members of the Department

Half course (spring term). Hours to be arranged.

For students who have completed Expository Writing 20 and wish to continue thinking about the art of writing and the style of their own prose. Readings include pieces by distinctive prose stylists such as Bacon, Browne, Johnson, Emerson, Dickinson, Twain, Lawrence, Woolf, Orwell, Baldwin, Didion, Gass, and others. Lectures and discussions consider the technique of particular passages and ponder fundamental concepts like clarity, voice, vividness, cliché, rhythm, irony, and wit. Students also attend regular one-on-one conferences on their own writing.

Note: Expected to be given in 2007–08. Open to graduate students with permission.

Folklore and Mythology



AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Members of the Steering Committee on Degrees in Folklore and Mythology

Stephen A. Mitchell, Professor of Scandinavian and Folklore (*Chair*)
Lisa T. Brooks, Assistant Professor of History and Literature and of Folklore and Mythology
Julie A. Buckler, Professor of Slavic Languages and Literatures
Deborah D. Foster, Senior Lecturer on Folklore and Mythology (*Head Tutor*)
Joseph C. Harris, Francis Lee Higginson Professor of English Literature and Professor of Folklore
Michael Herzfeld, Professor of Anthropology (*on leave spring term*)
Barbara L. Hillers, Associate Professor of Celtic Languages and Literatures
David G. Mitten, James Loeb Professor of Classical Art and Archaeology
Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature
Robert A. Orsi, Charles Warren Professor of History of Religion in America (*Divinity School*)
Kimberley C. Patton, Professor of the Comparative and Historical Study of Religion (*Divinity School*)
Michael J. Puett, Professor of Chinese History
Panagiotis Roilos, Associate Professor of Modern Greek, Professor of Modern Greek Studies
James R. Russell, Mashtots Professor of Armenian Studies
John Stauffer, Professor of English and American Literature and Language and Professor of African and African American Studies
Maria Tatar, John L. Loeb Professor of Germanic Languages and Literatures (*on leave 2006-07*)
Jan Ziolkowski, Arthur Kingsley Porter Professor of Medieval Latin

Affiliated Members of the Committee on Degrees in Folklore and Mythology

Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures
Patrick K. Ford, Margaret Brooks Robinson Research Professor of Celtic Languages and Literatures
Jon D. Levenson, Albert A. List Professor of Jewish Studies (*Divinity School*)
Peter Machinist, Hancock Professor of Hebrew and Other Oriental Languages
J. Lorand Matory, Professor of Anthropology and of African and African American Studies
Robb Moss, Rudolf Arnheim Lecturer on Filmmaking
John E. Murdoch, Professor of the History of Science
Tomás Ó Cathasaigh, Henry L. Shattuck Professor of Irish Studies
Robert Scanlan, Professor of the Practice of Theater
Kay Kaufman Shelemay, G. Gordon Watts Professor of Music and Professor of African and African American Studies
P. Oktor Skjaervo, Aga Khan Professor of Iranian
Laurel Thatcher Ulrich, 300th Anniversary University Professor
Michael Witzel, Wales Professor of Sanskrit

Tutorials in Folklore and Mythology



Primarily for Undergraduates

***Folklore and Mythology 91r. Supervised Reading and Research**

Catalog Number: 2425

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Instruction and direction of reading on material not treated in regular courses of instruction; special work on topics in folklore, mythology, and oral literature. Normally available only to concentrators in Folklore and Mythology.

Note: Applicants must consult the Chairman of the Committee or the Head Tutor. The signature of the Chairman or the Head Tutor is required.

***Folklore and Mythology 97 (formerly *Folklore and Mythology 97a). Fieldwork and Ethnography in Folklore**

Catalog Number: 3789 Enrollment: Limited to 12.

Deborah D. Foster

Half course (spring term). Th., 2–4.

Introduces concentrators to the study of traditions—their performance, collection, representation and interpretation. Both ethnographic and theoretical readings serve as the material for class discussion and the foundation for experimental fieldwork projects.

Note: Required of all, and limited to, concentrators.

[*Folklore and Mythology 98a (formerly *Folklore and Mythology 97b). Oral Literature and the History of Folkloristics]

Catalog Number: 5039 Enrollment: Limited to 12.

Joseph C. Harris

Half course (fall term). Hours to be arranged.

Considers the implications of orality, literacy, performance, and transmission from ethnographic, literary and historical points of view. Examples and case-studies typically drawn from the Balkans, the American Southwest, Africa, and medieval Europe. Tutorial readings include works by Parry, Lord, Nagy, Ong, Foley, Zumthor, and Bauman.

Note: Expected to be given in 2007–08. Required of all, and limited to, concentrators.

***Folklore and Mythology 98b (formerly *Folklore and Mythology 98). Tutorial — Junior Year**

Catalog Number: 3685

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of all concentrators. The signature of the Head Tutor or Chairman of the Committee on Degrees in Folklore and Mythology required. Normally taken in the second term of the junior year.

***Folklore and Mythology 99. Tutorial — Senior Year**

Catalog Number: 3886

Deborah D. Foster and members of the Committee

Full course. Hours to be arranged.



Note: Required of all concentrators. The signature of the Head Tutor or Chairman of the Committee on Degrees in Folklore and Mythology required. Graded Sat/Unsat.

Folklore and Mythology Courses

For Undergraduates and Graduates

Folklore and Mythology 100. Performance, Tradition and Cultural Studies: An Introduction to Folklore and Mythology

Catalog Number: 3579

Stephen A. Mitchell

Half course (fall term). M., W., at 1. EXAM GROUP: 6

Surveys major forms of folklore (e.g., myths, legends, epics, beliefs, rituals, festivals) and the theoretical approaches used in their study. Analyzes how folklore shapes national, regional, and ethnic identities, as well as daily life; considers the function of folklore within the groups that perform and use it, employing materials drawn from a wide range of areas (e.g., South Slavic oral epics, American occupational lore, Northern European ballads, witchcraft in Africa and America, Cajun Mardi Gras).

[Folklore and Mythology 102. Folklore, Nation-Building, and Nationalism] - (New Course)

Catalog Number: 6044

Stephen A. Mitchell

Half course (spring term). Hours to be arranged.

Explores the role folk tradition plays in shaping national, and nationalist, discourses in various colonial and post-colonial situations (e.g. Norway, Ireland, Greece, sub-Saharan Africa). The course examines learned society's valorization of folk traditions in elite cultural monuments (e.g., *Peer Gynt*; *Ballet Folklorico*) and in public display venues (e.g., Olympic ceremonies; Old Sturbridge Village; Rumsiskes). Also considered: political manipulation of folklore under National Socialism and Communism; culture and tourism; authenticity; and intellectual property. *Note:* Expected to be given in 2007–08.

Folklore and Mythology 106. Witchcraft and Charm Magic - (New Course)

Catalog Number: 8749

Stephen A. Mitchell

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

Reviews witchcraft and magic in medieval and early modern Europe (ca. 400–1700), focusing on such topics as pagan survivals in post-Conversion Europe; the construction of witchcraft in Church doctrine; charm magic and its performance in folk tradition; the witch-hunts of the 16th and 17th centuries; folk beliefs; the portrayal of witchcraft in film, fiction and folklore; and the historical roots of neo-paganism.

Folklore and Mythology 112. Introduction to the Ballad - (New Course)

Catalog Number: 9872

Joseph C. Harris

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Narrative folk songs of Scotland and England present fascinating opportunities and questions for



the student of folklore or literature. We will look into the birth, development, and dispersal of the genre and into the life of the traditional ballad. Readings (and ‘listenings’) from the Child corpus will be supplemented by ballad texts in translation from other European traditions. Special attention to language, narrative structures, and contemporary reflexes of the classic ballad (especially in North America).

Folklore and Mythology 114. Embodied Expression/Expressive Body: Dance in Cultural Context

Catalog Number: 7982 Enrollment: Limited to 16.

Deborah D. Foster

Half course (fall term). Th., 1–4; Th., 1–4. EXAM GROUP: 15, 16, 17

An examination of the ways in which the dancing body internalizes and communicates cultural knowledge to both dancer and observer. By participating in dance workshops, watching dance performances (live and on film), and reading ethnographic and theoretical texts, we attempt to understand the emergent meaning of dance performances from multiple perspectives.

[Folklore and Mythology 115 (formerly Folklore and Mythology 90b). The African Oral Narrative Tradition: Seminar]

Catalog Number: 5663

Deborah D. Foster

Half course (fall term). Hours to be arranged.

Examines African oral narrative, focusing on composition and performance techniques of oral performers. Considers the way in which symbol and metaphor work in oral art forms; compares methods of oral narrative analysis, including structuralism, semiotics, and performance theory; investigates the function of the trickster figure, and studies the role of the hero in epic narrative.

Note: Expected to be given in 2007–08. All readings in English.

[Folklore and Mythology 124. Southern Folklore] - (New Course)

Catalog Number: 9081

Joseph C. Harris

Half course (spring term). Hours to be arranged.

Chiefly an introduction to the folk literature of the South—folk tales, ballads, and similar oral and popular genres—and to its cultural contexts. An unsystematic treatment of literary works that show interesting relations to folklore backgrounds. Special emphasis on Zora Neale Hurston, folklorist and writer.

Note: Expected to be given in 2007–08.

Folklore and Mythology 127. Motherland: Gender, Indigeneity, and the American Environment - (New Course)

Catalog Number: 4794

Lisa T. Brooks

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Seminar focused on contemporary Native American literature that explores the representation and conceptualization of a feminine, and ecologically potent, American land. Readings may include Cheryl Savageau’s *Mother/land* (poetry), Leslie Marmon Silko’s *Gardens in the Dunes*, Marilou Awiakta’s *Selu*, Linda Hogan’s *Power*, Deborah Miranda’s *Indian Cartography*



(poetry), as well as parallel comparative texts such as Susan Orleans' *The Orchid Thief*, Alice Walker's *"In Search of Our Mother's Gardens,"* and Rachel Carson's *Silent Spring*.

Folklore and Mythology 162. Edda and Saga: Myth and Reality of the Viking Age - (New Course)

Catalog Number: 4003

Joseph C. Harris

Half course (fall term). W., 2–5. EXAM GROUP: 7, 8, 9

Iceland produced a literature unrivaled in the medieval period for the insights its “eddas” grant into the mind of pre-Christian Europeans. The “sagas” tell of real men and women in pagan times and in the first Christian century, embodying classic themes of great literature: love and death, jealousy, rivalry, revenge, loyalty and betrayal—above all honor and pride.

Note: Readings in translation; students who have studied the language will have opportunities to exercise their Old Norse.

***Folklore and Mythology 191r. Supervised Reading and Research**

Catalog Number: 3255

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced reading in topics not covered in regular courses.

Cross-listed Courses

For a complete up-to-date list of cross-listed courses, please visit our department's courses website at www.fas.harvard.edu/~folkmyth/indexcourses.htm

Germanic Languages and Literatures

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Germanic Languages and Literatures

Eric Rentschler, Arthur Kingsley Porter Professor of Germanic Languages and Literatures
(*Chair*)

Peter J. Burgard, Professor of German (*Director of Graduate Studies*)

Michel Chaouli, Visiting Associate Professor of Germanic Languages and Literatures (*Indiana University*)

Karl S. Guthke, Kuno Francke Professor of German Art and Culture (*on leave spring term*)

Annette Johansson-Los, Preceptor in Germanic Languages and Literatures

Charles P. Lutcavage, Senior Preceptor in German



Ethel Matala de Mazza, Visiting Associate Professor of Germanic Languages and Literatures
(*University of Munich*)

Stephen A. Mitchell, Professor of Scandinavian and Folklore (*Director of Undergraduate Studies, Scandinavian*)

Sylvia Rieger, Preceptor in German

Judith Ryan, Robert K. and Dale J. Weary Professor of German and of Comparative Literature
(*Director of Undergraduate Studies, German*)

Eckehard Simon, Victor S. Thomas Professor of Germanic Languages and Literatures

Oliver Simons, Assistant Professor of Germanic Languages and Literatures

Maria Tatar, John L. Loeb Professor of Germanic Languages and Literatures (*on leave 2006-07*)

Other Faculty Offering Instruction in the Department of Germanic Languages and Literatures

Joseph C. Harris, Francis Lee Higginson Professor of English Literature and Professor of Folklore

Jay Jasanoff, Diebold Professor of Indo-European Linguistics and Philology

Peter Nisbet, Senior Lecturer on History of Art and Architecture

Graduate students in the Faculty of Arts and Sciences may enroll in certain foreign language courses for the grade of Satisfactory/Unsatisfactory. Students should consult with course heads to determine if a course is offered on that basis.

For more information on the Department, please visit www.fas.harvard.edu/~german.

German

Primarily for Undergraduates

The placement test in German is offered during Freshman Week and during Intersession.

German A. Elementary German

Catalog Number: 4294

Sylvia Rieger and staff

Full course (indivisible). M. through Th., sections at 9, 10, 11, or 12. EXAM GROUP: 2, 11

A thorough introduction to German language and culture designed for students with little or no knowledge of the language. Encompasses all four skills: speaking, listening, reading, and writing. Class time is focused on developing oral proficiency. Language instruction is supplemented by literary and non-literary texts, videos, and Internet activities.

Note: The first half of this course may not be taken as a half course for credit toward the AB degree; there are no exceptions to this rule. May not be taken Pass/Fail. Not open to auditors.

German Bab. Elementary German (Intensive)

Catalog Number: 8629

Sylvia Rieger and staff



Full course (fall term; repeated spring term). Fall: M. through F., sections at 9 or 12; and an additional hour to be arranged. Spring: M. through F., sections at 9, 10, or 12; and an additional hour to be arranged. EXAM GROUP: 2, 11

A complete first-year course in one term for students with no knowledge of German. Provides a thorough introduction to German culture and language, encompassing all four skills: speaking, listening, reading, and writing. Class time is focused on developing oral proficiency; by the end of the course, students should be able to engage in everyday conversation with native speakers. Language instruction is supplemented by literary and non-literary texts, videos, and Internet activities.

Note: May not be taken Pass/Fail. Not open to auditors.

German Da. Intermediate German: Speaking, Listening Comprehension, Reading, and Writing

Catalog Number: 5779

Sylvia Rieger and staff

Half course (fall term; repeated spring term). Fall term: M., W., F., sections at 9, 11, or 12; and an additional hour to be arranged. Spring term: M., W., F., at 9; and an additional hour to be arranged. EXAM GROUP: Fall: 2, 4; Spring: 2

Aims at enhancing students' proficiency in all four skills, with special emphasis on speaking/discussion. The course also offers a thorough grammar review. Course materials consist of literary and non-literary texts and films that address a broad range of cultural topics.

Note: Conducted in German. May not be taken Pass/Fail. Not open to auditors.

German Dab. Intermediate German (Intensive): Speaking, Listening Comprehension, Reading, and Writing - (New Course)

Catalog Number: 1351

Sylvia Rieger and staff

Full course (fall term; repeated spring term). Fall: M., W., F., at 12; Tu., Th., 1–3; Spring: M., W., F., at 12, Tu., Th., 1–3. EXAM GROUP: Fall: 5; Spring: 5, 15, 16

A complete second-year course in one term for students with a basic knowledge of German. Focuses on enhancing students' proficiency in all four skill areas with special emphasis on speaking/discussion. Extensive vocabulary-building exercises, a thorough grammar review, and an introduction to various cultural topics of the German-speaking countries through the use of literary and non-literary texts, Internet, multimedia resources, and film.

Note: Conducted in German. May not be taken Pass/Fail. Not open to auditors.

Prerequisite: German A, German Bab, a score of 450 or above on the Harvard placement test, or permission of the instructor.

German Db. Intermediate German: Speaking, Listening Comprehension, Reading, and Writing

Catalog Number: 2608

Sylvia Rieger and staff

Half course (fall term; repeated spring term). Fall term: M., W., F., at 9; and an additional hour to be arranged. Spring term: M., W., F., sections at 9, 11, or 12; and an additional hour to be arranged. EXAM GROUP: Fall: 2; Spring: 2, 4

Continuation of German Da. Discussion materials include literary and non-literary texts and film.



Emphasis on speaking proficiency and on strengthening writing skills. Course includes a review of selected grammatical structures and exercises in vocabulary building.

Note: Conducted in German. May not be taken Pass/Fail. Not open to auditors.

Prerequisite: German Da or permission of the instructor.

German S. German for Reading Knowledge

Catalog Number: 7177

Charles P. Lutcavage and staff

Half course (spring term). M., W., 4–5:30. EXAM GROUP: 9

Development of reading proficiency for students with little or no knowledge of German.

Emphasizes translation of academic German prose into English.

Note: Not open to auditors.

German 50a. Introduction to 19th-Century German Literature

Catalog Number: 3213

Oliver Simons

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

The course examines representative texts in 19th-century German literature within the framework of major historical developments and literary movements. Authors include Kleist, Büchner, Heine, Stifter, Keller, Storm, Hauptmann, and Fontane. The course sharpens German writing and reading skills and introduces basic concepts in literary analysis.

Note: Conducted in German.

Prerequisite: Satisfaction of the language requirement, equivalent preparation, or permission of the instructor.

German 50b. Introduction to 20th-Century German Literature

Catalog Number: 5412

Oliver Simons

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

The course focuses on central texts in 20th-century German literature. Key authors are read in parallel: for example, Friedrich Nietzsche and Hugo von Hofmannsthal, Alfred Döblin and Franz Kafka, Thomas Bernhard and Peter Handke. The course provides an historical overview, sharpens German reading skills, and introduces basic concepts in literary analysis.

Note: Conducted in German.

Prerequisite: Satisfaction of the language requirement, equivalent preparation, or permission of the instructor. German 50a is not a prerequisite for 50b.

German 61. Advanced Grammar and Reading - (New Course)

Catalog Number: 5179

Peter J. Burgard

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Advanced instruction in German through systematic study of the rules of grammar, their nuances, and their exceptions. Application of this knowledge through readings of short selections of sophisticated texts (e.g., Goethe, Kant, Marx, Nietzsche, Freud, Rilke, Kafka, Mann) prepares students for courses and academic work requiring advanced German reading comprehension.

Further application through writing exercises.



Note: Conducted in German. Not open to auditors.

Prerequisite: German D, equivalent preparation, or permission of the instructor.

German 62. Advanced German: Berlin Since 1989

Catalog Number: 2201

Sylvia Rieger

Half course (fall term). M., W., F., at 12. Film screenings W., 6–8 pm. EXAM GROUP: 5

Using a broad array of literary and non-literary texts, the course explores the changes that have shaped Berlin since 1989. Areas of discussion include reunification and its aftermath, architectural metamorphoses, east-west German relations, the culture of memory, minorities, and filmic portrayals of Berlin. Materials drawn from newspapers, the Internet, and multimedia resources.

Note: Strong class participation expected. Conducted in German. May not be taken Pass/Fail. Not open to auditors.

Prerequisite: German D, equivalent preparation, or permission of the instructor.

German 65. Wirtschaftsdeutsch

Catalog Number: 2678

Charles P. Lutcavage

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Communication, reading, and writing skills for a business environment. Attention to grammar and specialized vocabulary, as well as cultural and political issues relevant to conducting business in German-speaking countries. Writing practice includes business correspondence and job applications. Supplemented by articles from the German-language press, the Internet, and videos.

Note: Conducted in German. May not be taken Pass/Fail. Not open to auditors.

Prerequisite: German D, equivalent preparation, or permission of the instructor.

German 68. Deutschland und Europa

Catalog Number: 6537

Charles P. Lutcavage

Half course (spring term). M., W., F., sections at 11 or 12. EXAM GROUP: 4, 5

An advanced language course focusing on current events in Germany and the European Union. Readings, discussions, and projects based on a variety of contemporary political, social, economic, and cultural topics. Materials from various sources, including the German-language press, the Internet, videos, and television news.

Note: Conducted in German. May not be taken Pass/Fail. Not open to auditors.

Prerequisite: German 60, German 61, German 62, German 65, or permission of the instructor.

***German 91r. Supervised Reading and Research**

Catalog Number: 1059

Judith Ryan and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced reading in topics not covered in regular courses.

Note: Permission of the Director of Undergraduate Studies is required.



***German 97. Tutorial — Sophomore Year**

Catalog Number: 1774

Charles P. Lutcavage

Half course (fall term). Hours to be arranged.

Introduction to German literary and cultural history and to the analysis of poetry, drama, narrative, and film.

Note: Required of all concentrators.

***German 99. Tutorial — Senior Year**

Catalog Number: 3286

Judith Ryan and members of the Department

Full course. Hours to be arranged.

Note: Open to concentrators writing an honors thesis under faculty supervision. Students are expected to enroll for the entire year. Permission of the Director of Undergraduate Studies is required.

Cross-listed Courses

***Freshman Seminar 32y. Goethe's *Faust*
Yiddish A. Elementary Yiddish**

For Undergraduates and Graduates

[German 101. Introduction to Medieval Literature and Culture]

Catalog Number: 6745

Eckehard Simon

Half course (spring term). Hours to be arranged.

Selected readings of major literature from the Old High German period to the Reformation (800–1500), focusing on the great Middle High German works (1170–1250): the *Nibelungenlied*, Hartmann's *Erec*, Gottfried's *Tristan*, Wolfram's *Parzival*, *Minnesang*, Walther von der Vogelweide. Extended discussion of historical and cultural background. Texts read in modern German translations.

Note: Expected to be given in 2007–08. Conducted in German. Graduate students upgrade the course to graduate credit by reading original texts.

Prerequisite: A reading knowledge of German.

[German 110. Baroque]

Catalog Number: 8078

Peter J. Burgard

Half course (fall term). Hours to be arranged.

Examines the literature of the German Baroque as well as the art of the European Baroque.

Discussions of poetry, drama, and narrative. Focuses on questions of identity and excess, which are introduced via consideration of European Baroque art. Readings include Fleming, Grimmelshausen, Gryphius, Hofmannswaldau, Lohenstein, Opitz, and Zesen. Artists considered include Asam, Bernini, Borromini, Caravaggio, Carracci, Rubens, and Velázquez.

Note: Expected to be given in 2007–08. Readings in German, discussions in English.



German 114. From Culture to Nation - (New Course)

Catalog Number: 6302

Michel Chaouli (Indiana University)

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Starting with the Reformation, we explore how cultural phenomena—religion, language, literature, theater, sports, music—come to carry the weight of national identity in the German lands. Basically, we learn how Germans became Germans. Besides doing textual and historical analysis, we also examine our concepts: what exactly do we mean by “culture,” and what is this “nation” that culture is called upon to support?

Note: Expected to be omitted in 2007–08. Conducted in English; concentrators read texts in the original.

German 123. Fear and Pity: German Tragedies from the 18th to the 20th Century - (New Course)

Catalog Number: 4720

Oliver Simons

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

Tragedies aim to stimulate the spectator’s passion and sympathy. How precisely do they achieve that goal? Through close readings the course contextualizes the tragedies of such authors as Lessing, Goethe, Kleist, Büchner, Hebbel, Wedekind, and Hofmannsthal within major literary movements and the theoretical reflections of Nietzsche and Benjamin.

Note: Readings and discussions in German.

[German 147. Nietzsche]

Catalog Number: 6994

Peter J. Burgard

Half course (spring term). Hours to be arranged.

Readings and discussions of Nietzsche’s major works (in translation), including *The Birth of Tragedy*, *Untimely Meditations*, *Human, All Too Human*, *The Gay Science*, *Thus Spoke Zarathustra*, *Beyond Good and Evil*, *The Genealogy of Morals*, *Twilight of the Idols*, *The Antichrist*, *Ecce Homo*, and *The Will to Power*.

Note: Expected to be given in 2007–08. No knowledge of German required. All readings and discussions in English.

German 148. Freud

Catalog Number: 5403

Peter J. Burgard

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Readings and discussions of Freud’s major works (in translation), including *The Interpretation of Dreams*, *The Psychopathology of Everyday Life*, *Jokes and Their Relation to the Unconscious*, *Three Essays on the Theory of Sexuality*, *Totem and Taboo*, *The “Wolf Man,”* *Beyond the Pleasure Principle*, *Group Psychology and the Analysis of the Ego*, *The Ego and the Id*, and *Civilization and Its Discontents*.

Note: Expected to be omitted in 2007–08. No knowledge of German required. All readings and discussions in English.



[German 151. Franz Kafka: Modernity and Its Discontents]

Catalog Number: 0169

Judith Ryan

Half course (spring term). Hours to be arranged.

Close readings of Kafka's novels and stories. Kafka's development of his characteristic narrative modes, the relation of his works to the cultural context in which they originated, the function of humor and parody in his works, and the challenges his texts pose for readers.

Note: Expected to be given in 2007–08. No knowledge of German required. Readings and discussions in English; German concentrators read texts in the original.

German 162. Gender Theory and Narrative Fiction - (New Course)

Catalog Number: 4774

Oliver Simons

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Focusing on such topics as the representation of femininity, the (im)possibility of feminine writing, and literature and the body, the course examines the gender theories of Irigaray, Cixous, Kristeva, Butler, Felman, and others and applies them to 18th and 19th-century German writers, including Fontane, Musil, Bachmann, and Jelinek.

Note: Expected to be omitted in 2007–08. Readings and discussions in English; German concentrators read texts in the original.

German 170. Goethe's Faust in Context

Catalog Number: 1246

Karl S. Guthke

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Close analytical reading of parts I and II in the context of cultural and intellectual history. Major controversies over the interpretation of significant features of the work are discussed, including the role of “post-Christian” and “post-Enlightenment” elements.

Note: Expected to be omitted in 2007–08. Readings in German, discussions in English.

[German 175. Realism]

Catalog Number: 5173

Oliver Simons

Half course (fall term). Hours to be arranged.

Focusing on the problem of “objective” representations of reality, the course concentrates on leading representatives of “bourgeois realism”: Gottfried Keller, Wilhelm Raabe, Theodor Storm, Theodor Fontane, and Conrad Ferdinand Meyer. Through close reading of texts, the course explores how narrative techniques create realistic effects. Attention is paid to the visual arts and sciences in the second half of the 19th century as important contexts for literature of the period.

Note: Expected to be given in 2008–09. Readings and discussions in German.

German 177. Ennui and Decadence in Turn-of-the-Century Literature - (New Course)

Catalog Number: 3929

Ethel Matala de Mazza (University of Munich)

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13



The course examines narratives and scenarios of fatigue, exhaustion, and decline in turn-of-the-century Viennese culture. Special attention is paid to the singular blend of aesthetic modernity and political anachronism in the Austrian Baroque monarchy. Readings include texts by Bahr, Salten, Hofmannsthal, Andrian, and Kraus as well as operettas by Lehár, Fall, and Kálmán.
Note: Expected to be omitted in 2007–08. Readings and discussions in German.

[German 184. America in the German Mind]

Catalog Number: 3881

Oliver Simons

Half course (spring term). Hours to be arranged.

Journeys to “America” have their own history in German literature. For 19th-century writers such as Charles Sealsfield, Ferdinand Kürnberger, Friedrich Gerstäcker, Karl May, and others, “America” serves as a topos for aesthetic and political reflection. In 20th-century literature, the constructed nature of “America” becomes particularly apparent. Readings from this period include Franz Kafka, Wolfgang Koeppen, Peter Handke, Max Frisch, and W. G. Sebald.

Note: Expected to be given in 2007–08. Readings and discussions in German.

[German 186. German Poetry: Innovation and Experiment - \(New Course\)](#)

Catalog Number: 8548

Judith Ryan

Half course (spring term). Th., 2–4; and an additional hour to be arranged. EXAM GROUP: 16, 17

Explores the interplay between innovation and tradition in German poetry from 1770 to the present. Topics treated include originality and authenticity, difficulty and hermeticism, and poetic responses to crisis. Authors include Goethe, Hölderlin, Heine, Mörike, Rilke, Trakl, Benn, Bobrowski, and Celan.

Note: Readings in German, discussions in English.

[German 188. Poetry After Auschwitz]

Catalog Number: 0379

Judith Ryan

Half course (fall term). Hours to be arranged.

Engaging with Adorno’s dictum about “poetry after Auschwitz” and related theoretical readings, the course focuses on lyric poetry from 1945 to the present.

Note: Expected to be given in 2007–08. Readings in German, discussions in English.

Prerequisite: Good knowledge of German essential.

Cross-listed Courses

[Foreign Cultures 76. Nazi Cinema: Fantasy Production in the Third Reich]

[Historical Study A-76. Germany 1871–1990: From Unification to Reunification]

[History 1469. The Holocaust: History and Memory - \(New Course\)](#)

[History 1478. Modern Germany, 1871–2000 - \(New Course\)](#)

[Literature and Arts A-16. Lives Ruined by Literature: The Theme of Reading in the Novel]

[Literature and Arts C-25. The Medieval Stage](#)



[Literature and Arts C-43. The Medieval Court](#)

[Literature and Arts C-65. Repression and Expression: Literature and Art in *Fin-de-siècle* Germany and Austria](#)

[Literature and Arts C-67. The German Colonial Imagination](#)

[Visual and Environmental Studies 187x. From Postwar to Postwall German Cinema](#)

[\[Yiddish 102r. Modern Yiddish Literature I: The Yiddish Short Story\]](#)

Primarily for Graduates

[German 200. Introduction to Middle High German Language, Literature, and Culture](#)

Catalog Number: 4639

Eckehard Simon

Half course (fall term). M., at 11 and 2–4. EXAM GROUP: 4, 7, 8

Teaches reading knowledge of Middle High German through grammar study, translation, and explication of short literary and cultural texts. Introduces *Minnesang* and major narrative works of the courtly period (1170–1250). Some work with manuscripts and bookhands.

Note: Open to graduate students from other departments who wish to learn to read medieval and early modern German for research.

Prerequisite: A reading knowledge of German.

[German 220. The Five Senses in the 18th Century: Seminar - \(New Course\)](#)

Catalog Number: 6966

Michel Chaouli (Indiana University)

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Examines theories and representations of the senses and explores the relationship of body and mind in Berkeley, Bonaventura, Burke, Buffon, Cheselden, Condillac, Diderot, Goethe, Herder, Hoffmann, Hume, Kant, La Mettrie, Lessing, Locke, Moritz, and Schiller.

Note: Expected to be omitted in 2007–08. Readings in English and German; discussions in English.

[German 221. Goethe: Seminar]

Catalog Number: 7666

Peter J. Burgard

Half course (spring term). Hours to be arranged.

Examines selected major works, including poetry, dramas, novels, and essays on art, literature, and science.

Note: Expected to be given in 2007–08. Readings in German, discussions in English.

[German 225. History of the German Language](#)

Catalog Number: 5192

Eckehard Simon

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

A cultural history of the German language, from pre-literate Germanic dialects to the present.

The relationship between spoken and written German. Close reading and philological analysis of representative texts, handwritten and printed, from all periods.



Note: Conducted in German.

Prerequisite: Command of German, one term of Middle High German, or the equivalent.

[German 226r. Theories of Literature: Proseminar]

Catalog Number: 1364

Oliver Simons

Half course (fall term). Hours to be arranged.

Hermeneutics, structuralism, discourse analysis, deconstruction, systems theory, and gender theory are among the approaches to literature examined for their points of contact and divergence. Attention is also paid to the problem of “applying” theories to literary analysis.

Note: Expected to be given in 2007–08. Readings and discussions in German.

German 230. Law and Literature: Seminar - (New Course)

Catalog Number: 9671

Ethel Matala de Mazza (University of Munich)

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Focuses on literary texts that deal with authority and truth, judgment and decision-making, and the complex relations between norms and fictions. Readings by Aeschylus, Sophocles, Gryphius, Schiller, Kleist, Kafka, and T. Mann.

Note: Expected to be omitted in 2007–08. Readings and discussions in German.

German 244. Readings in German Film Theory

Catalog Number: 6388

Eric Rentschler

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Film theory, from the formalist perspectives of Arnheim and Eisenstein to critical assessments of cinema’s potential by Balázs, Kracauer, Benjamin, and Adorno. We consider the impact of this classical legacy on recent film and media studies.

Note: Conducted in English. Readings in English; students with German-language proficiency read texts in the original.

[German 269. Introduction to Film Analysis]

Catalog Number: 1886

Eric Rentschler

Half course (spring term). Hours to be arranged.

Analytic approaches to the close study of feature films, concentrating on exemplary German productions from 1920 to 1945.

Note: Expected to be given in 2007–08. Conducted in English. Some readings in German.

German 288. German Novels Since Reunification: Seminar

Catalog Number: 8467

Judith Ryan

Half course (fall term). W., 4–6. EXAM GROUP: 9

A study of German novels since 1990, viewed within their social and cultural context and against the backdrop of contemporary literary theory. Authors include Beyer, Brussig, Demski, Drawert,



Hein, Hilbig, Maron, Timm, and Wolf.

Note: Readings in German, discussions in English.

[German 290. Experience and Remembrance in W. G. Sebald: Seminar]

Catalog Number: 7036

Judith Ryan

Half course (spring term). Hours to be arranged.

Close study of Sebald's narrative and poetic works, as well as a selection of his scholarly essays, against the backdrop of recent literary theory.

Note: Expected to be given in 2007–08. Readings in German, discussions in English.

Cross-listed Courses

[*Comparative Literature 299ar. Theory and Comparative Literature: Proseminar](#)

[*English 279. Foreign Affair? Literature and Culture of the US Occupation of Germany, 1945–1955: Graduate Seminar - \(New Course\)](#)

Graduate Courses of Reading and Research

***German 300. Special Reading Programs and Research Problems for Advanced Students**

Catalog Number: 3646

Peter J. Burgard 2217, Karl S. Guthke 1715 (on leave spring term), Peter Nisbet 1738, Eric Rentschler 2325, Judith Ryan 1135, Eckehard Simon 2670, Oliver Simons 5274, and Maria Tatar 3645 (on leave 2006-07)

Germanic Philology

Primarily for Graduates

[Germanic Philology 280. Introduction to Current Methods in Teaching German](#)

Catalog Number: 5944

Sylvia Rieger

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

A thorough introduction to current teaching approaches in foreign language teaching. Emphasis on development of practical skills for teaching beginning to advanced German language courses, including use of instructional technology, the Internet, and multimedia resources.

Graduate Courses of Reading and Research

***Germanic Philology 300. Special Reading Programs and Research Problems for Advanced Students**

Catalog Number: 1045

Joseph C. Harris 1089, Jay Jasanoff 1661, Stephen A. Mitchell 7056, and Eckehard Simon 2670

Cross-listed Courses



[English 101. The History and Structure of the English Language](#)
[Linguistics 110. Introduction to Linguistics](#)
[Linguistics 168. Introduction to Germanic Linguistics]
[Linguistics 247. Topics in Germanic Linguistics](#)

Dutch

For Undergraduates and Graduates

[Dutch Aa \(formerly Dutch A\). Elementary Dutch](#)

Catalog Number: 7660

Charles P. Lutcavage

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

An introduction to Dutch, focusing on speaking, listening, reading, and writing skills. Class sessions emphasize the development of oral proficiency. Readings, videos, films, and the Internet provide supplementary material for discussion of current events and culture.

Note: Not open to auditors. May not be taken Pass/Fail.

Scandinavian

Primarily for Undergraduates

[Scandinavian 80. The Vikings and the Nordic Heroic Tradition](#)

Catalog Number: 3974

Stephen A. Mitchell

Half course (fall term). M., W., at 10; and an additional hour to be arranged. EXAM GROUP: 3

Examines the heroic legacy resulting from the historical events in northern Europe AD 800 to AD 1100, concentrating on the medieval Icelandic sagas. The course focuses on how those texts present their heroes as warriors, kings, poets, outlaws, and adventurers, and reviews how the viking image is received and shaped in later periods (e.g., Victorian England). Such topics as pre-Christian mythology and the Norse experience in “Vinland” also considered.

Note: All readings and discussions in English. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

[Scandinavian 81. Scandinavian Literature and Culture: Performance, Power, and Politics - \(New Course\)](#)

Catalog Number: 0478

Stephen A. Mitchell

Half course (spring term). M., 2–4. Film screenings F., 2–4. EXAM GROUP: 7, 8

Examines representative works of Nordic literature against the evolution of “national cultures” in Scandinavia in selected periods, including 19th-century nationalist movements, the Nazi occupation of World War II, and the “sex, suicide, and socialism” stereotype of the 60s. Texts include poetry by Bellman, Oehlenschläger, Sjöberg, and Munk; plays by Holberg, Ibsen, and Strindberg; prose works by H. C. Andersen, Hamsun, and Myrdal; and films by Christiansen, Dreyer, Bergman, Fridrik Thór Fridriksson, and von Trier.



Note: All materials available in English; knowledge of a modern Scandinavian language helpful but not necessary.

***Scandinavian 91r. Supervised Reading and Research**

Catalog Number: 7308

Stephen A. Mitchell and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced reading in topics not covered in regular courses.

Note: Permission of the Director of Undergraduate Studies required.

***Scandinavian 97. Tutorial — Sophomore Year**

Catalog Number: 1592

Stephen A. Mitchell and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Group or individual tutorial designed to supplement course work and acquaint students with appropriate analytical methods.

Note: Open to concentrators in the Scandinavian option. Permission of the Director of Undergraduate Studies required.

***Scandinavian 98. Tutorial — Junior Year**

Catalog Number: 4255

Stephen A. Mitchell and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Group or individual tutorial designed to supplement course work and to develop analytical techniques.

Note: Permission of the Director of Undergraduate Studies required.

***Scandinavian 99. Tutorial — Senior Year**

Catalog Number: 5542

Stephen A. Mitchell and members of the Department

Full course. Hours to be arranged.

Note: Open to concentrators writing an honors thesis under faculty supervision. Students are expected to enroll for the entire year. Permission of the Director of Undergraduate Studies required.

Swedish A. Introduction to Swedish Language and Literature

Catalog Number: 7438

Annette Johansson-Los

Full course (indivisible). M. through Th., at 12. EXAM GROUP: 5, 14

A basic course focusing on listening, speaking, reading, and writing skills. During spring term, the emphasis is on more advanced conversation and an introduction to Sweden's culture and civilization through selected texts and videos. By year's end, students will be able to carry on conversations in everyday Swedish.

Note: The first half of this course may not be taken as a half course for credit toward the AB degree. Not open to auditors.



Swedish Ba. Intermediate Swedish

Catalog Number: 3104

Annette Johansson-Los

Half course (fall term). M., W., at 1; and an additional hour to be arranged. EXAM GROUP: 6

Review of the essentials of Swedish grammar and development of vocabulary. Readings in modern Swedish literature are selected to encourage class discussion and to improve the student's speaking and writing skills. Authors include Hjalmar Söderberg, Selma Lagerlöf, and Ingmar Bergman.

Note: Conducted in Swedish. Not open to auditors.

Prerequisite: Swedish A or equivalent.

Swedish Bb. Intermediate Swedish

Catalog Number: 3405

Annette Johansson-Los

Half course (spring term). M., W., at 1; and an additional hour to be arranged. EXAM GROUP: 6

Continuation of Swedish Ba. Readings from works in classical and modern Swedish literature and other texts of cultural and social interest. Authors include August Strindberg, Pär Lagerkvist, Carl Michael Bellman, Tomas Tranströmer, and Vilhelm Moberg.

Note: Conducted in Swedish. Not open to auditors.

Prerequisite: Swedish Ba or equivalent.

For Undergraduates and Graduates

[Scandinavian 160a. Old Norse Language, Literature, and Culture: The Viking Legacy]

Catalog Number: 1139 Enrollment: Limited to 12.

Stephen A. Mitchell

Half course (fall term). Hours to be arranged.

Introduction to the language and literary culture of medieval Scandinavia, emphasizing works treating the Viking Age and their valorization of an heroic ideal. In addition to basic language skills, students acquire familiarity with key critical tools of the field. Readings include scaldic poetry, selections from *Egils saga* and the Vinland sagas, and various runic monuments.

Note: Expected to be given in 2007–08. May be counted toward the Folklore and Mythology 90 requirement.

[Scandinavian 160br (formerly Scandinavian 160b). Old Norse Language, Literature, and Culture: Mythology]

Catalog Number: 7588 Enrollment: Limited to 12.

Stephen A. Mitchell

Half course (spring term). Hours to be arranged.

Builds on Scandinavian 160a, continuing the language study and cultural survey of the first term, but now considers mythological texts relating to Viking religious life, mainly selections from the prose and poetic *Eddas*. Special attention is paid to scholarly tools and debates concerned with the interpretation of these cultural monuments.

Note: Expected to be given in 2007–08. May be counted toward the Folklore and Mythology 90



requirement.

Prerequisite: Scandinavian 160a or equivalent.

***Scandinavian 191r. Supervised Reading and Research - (New Course)**

Catalog Number: 6175

Stephen A. Mitchell

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced readings in topics not covered in regular courses.

Graduate Courses of Reading and Research

***Scandinavian 300. Special Reading Programs and Research Problems for Advanced Students**

Catalog Number: 1708

Joseph C. Harris 1089 and Stephen A. Mitchell 7056

Half course (fall term; repeated spring term). Hours to be arranged.

Global Health

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Global Health

Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology in the Faculty of Arts and Sciences and Professor of Medical Anthropology in the Faculty of Medicine (*Co-Chair*)

Christopher Murray, Professor of Social Medicine (*Medical School*) and Richard Saltonstall Professor of Population Policy (*Public Health*) (*Co-Chair*)

Dan W. Brock, Professor of Medical Ethics (*Medical School*)

David M. Cutler, Otto Eckstein Professor of Applied Economics and Dean for the Social Sciences

Byron J. Good, Professor of Medical Anthropology (*Medical School*)

Mary-Jo Del Vecchio Good, Professor of Social Medicine (*Medical School*)

Jim Yong Kim, Associate Clinical Professor of Social Medicine and of Medicine (*Medical School*) and Associate Professor of Population and International Health (*Public Health*)

Gary King, David Florence Professor of Government (*on leave 2006-07*)

Jennifer Leaning, Professor of International Health (*Public Health*) and Assistant Professor of Medicine (*Medical School*)

Note: The Standing Committee on Global Health was created by Faculty vote in May 2006 and 2006-07 membership had not been completely determined at the time *Courses of Instruction*



went to press. Membership information will be updated in the on-line course catalog in the fall of 2006.

The Standing Committee on Global Health seeks to promote expanded and enhanced curricular, research, and advising opportunities to undergraduate and graduate students. This committee will coordinate existing course offerings related to global health, encourage the creation of new courses on global health topics as appropriate, and help to facilitate the creation of new research opportunities for undergraduates.

Global health presents a fundamentally interdisciplinary set of challenges. Harvard has a deep investment and scholarly capacity in many areas that provide critical insight to global health challenges. The scale and the complexity of these challenges extend beyond one discipline or methodology; the foundational works of the life sciences need to be bridged with a sophisticated understanding of the economic, political, social, and cultural factors that influence health outcomes. The Committee on Global Health with its diverse representation from across the Faculty of Arts and Sciences will provide a thoughtful and comprehensive program of study to Harvard undergraduates as they explore significant research topics in global health.

Government

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Government

Nancy Lipton Rosenblum, Senator Joseph S. Clark Professorship of Ethics in Politics and Government (*Chair*)

James E. Alt, Frank G. Thomson Professor of Government (*Director of Graduate Studies*)

Robert H. Bates, Eaton Professor of the Science of Government and Professor of African and African American Studies

Eric Beerbohm, Assistant Professor in Government and in Social Studies

Tanja Boerzel, Visiting Professor of Government, Visiting Scholar in the Center for European Studies (*Free University of Berlin*) (*fall term only*)

Bear F. Braumoeller, Associate Professor of Government

J. Lawrence Broz, Visiting Associate Professor of Government (*University of California, San Diego*)

Thomas Burke, Visiting Associate Professor of Government (*Wellesley College*) (*fall term only*)

Daniel P. Carpenter, Professor of Government

Stefan Collignon, Visiting Professor of Government (*London School of Economics*)

Timothy J. Colton, Morris and Anna Feldberg Professor of Government and Russian Studies (*Director of Undergraduate Studies*)



Alexander de Waal, Research Associate at the Global Equity Initiative at the Harvard Asia Center, Lecturer on Government, Contin Ed/Spec Prog Instructor, Research Associate (FAS 3), Associate of the Asia Center (*fall term only*)

Jorge I. Domínguez, Antonio Madero Professor of Latin American Politics and Economics, Dean (Faculty)

Grzegorz Ekiert, Professor of Government (*on leave 2006-07*)

Margarita Estevez-Abe, Paul Sack Associate Professor of Political Economy (*on leave spring term*)

Mary Fitzgerald, Visiting Assistant Professor of Government (*James Madison University*)

Jeffry Frieden, Stanfield Professor of International Peace (*on leave fall term*)

Aaron Garrett, Visiting Associate Professor of Government (*Boston University*) (*fall term only*)

Claudine Gay, Professor of Government

Jefferson M. Gill, Visiting Associate Professor of Government (*University of California, Davis*)

Adam Glynn, Assistant Professor of Government

Peter A. Hall, Krupp Foundation Professor of European Studies

Yoshiko M. Herrera, John L. Loeb Associate Professor of the Social Sciences

D. Sunshine Hillygus, Assistant Professor of Government

Michael J. Hiscox, Professor of Government (*on leave fall term*)

Jennifer L. Hochschild, Henry LaBarre Jayne Professor of Government and Professor of African and African American Studies

Stanley Hoffmann, Paul and Catherine Buttenwieser University Professor

Samuel P. Huntington, Albert J. Weatherhead, III University Professor (*on leave 2006-07*)

Nahomi Ichino, Assistant Professor of Government

Torben Iversen, Harold Hitchings Burbank Professor of Political Economy

Alastair Iain Johnston, Governor James Albert Noe Sr. and Linda and Christel Noe Laine Kelley Professor of China in World Affairs (*on leave spring term*)

David C. King, Lecturer in Public Policy (*Kennedy School*)

Gary King, David Florence Professor of Government (*on leave 2006-07*)

William Kristol, Visiting Lecturer on Government

Steven R. Levitsky, John L. Loeb Associate Professor of the Social Sciences

Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science (*on leave spring term*)

Harvey C. Mansfield, William R. Kenan, Jr., Professor of Government

Lisa L. Martin, Clarence Dillon Professor of International Affairs

Rachel M. McCleary, Lecturer on Government, Associate of the Weatherhead Center for International Affairs (*fall term only*)

Jens Meierhenrich, Assistant Professor of Government and of Social Studies, Contin Ed/Spec Prog Instructor (*on leave fall term*)

R. Shep Melnick, Visiting Professor of Government (*fall term only*)

D. Glyn Morgan, Associate Professor of Government and of Social Studies

Eric M. Nelson, Assistant Professor of Government (*on leave 2006-07*)

John W. Patty, Assistant Professor of Government

Elizabeth M. Penn, Assistant Professor of Government

Elizabeth J. Perry, Henry Rosovsky Professor of Government

Paul E. Peterson, Henry Lee Shattuck Professor of Government

Susan J. Pharr, Edwin O. Reischauer Professor of Japanese Politics



Alejandro A. Poire Romero, Visiting Lecturer on Government, Visiting Scholar in the David Rockefeller Center for Latin American Studies (*fall term only*)
 Robert D. Putnam, Peter and Isabel Malkin Professor of Public Policy (*on leave 2006-07*)
 Kevin M. Quinn, Assistant Professor of Government (*on leave 2006-07*)
 Thomas Risse, Visiting Professor of Government (*Free University of Berlin*) (*fall term only*)
 James Robinson, Professor of Government
 Michael E. Rosen, Professor of Government (*on leave spring term*)
 Stephen P. Rosen, Harvard College Professor and Beton Michael Kaneb Professor of National Security and Military Affairs
 Andrew Sabl, Visiting Associate Professor of Government (*University of California, Los Angeles*)
 Michael J. Sandel, Anne T. and Robert M. Bass Professor of Government (*on leave 2006-07*)
 Emad Shahin, Visiting Associate Professor of Government (*The American University in Cairo*)
 Kenneth A. Shepsle, George D. Markham Professor of Government
 Richard E. B. Simeon, Visiting William Lyon MacKenzie King Professor of Canadian Studies (*University of Toronto*) (*fall term only*)
 Beth A. Simmons, Clarence Dillon Professor of International Affairs
 Thomas Simons, Lecturer on Government (*spring term only*)
 Cindy Skach, Associate Professor of Government (*on leave 2006-07*)
 Theda Skocpol, Victor S. Thomas Professor of Government and Sociology and Dean of the Graduate School of Arts and Sciences
 David Soskice, Visiting Professor of Government (*Duke University*) (*spring term only*)
 Strom Thacker, Visiting Associate Professor of Government (*Boston University*) (*fall term only*)
 Dennis F. Thompson, Alfred North Whitehead Professor of Political Philosophy in the Faculty of Arts and Sciences and in the Kennedy School of Government
 Richard Tuck, Frank G. Thomson Professor of Government
 Sidney Verba, Carl H. Pforzheimer University Professor
 Cara Wong, Visiting Assistant Professor of Government (*University of Michigan*)
 Daniel F. Ziblatt, Assistant Professor of Government and of Social Studies (*on leave 2007-08*)

Other Faculty Offering Instruction in the Department of Government

Alberto Abadie, Professor of Public Policy (*Kennedy School*)
 Graham T. Allison, Jr., Douglas Dillon Professor of Government (*Kennedy School*)
 Richard H. Fallon, Ralph S. Tyler, Jr., Professor in Constitutional Law (*Harvard Law School*)
 Garrett M. Fitzmaurice, Associate Professor of Biostatistics (*Public Health*)
 Lee Fleming, Associate Professor of Business Administration (*Business School*)
 J. Bryan Hehir, Parker Gilber Montgomery Professor of the Practice in Religion and Public Life (*Kennedy School*)
 Guido W. Imbens, Professor of Economics (*on leave spring term*)
 Christopher Jencks, Malcolm Wiener Professor of Social Policy (*Kennedy School*)
 David Little, T. J. Dermot Dunphy Professor of the Practice in Religion, Ethnicity, and International Conflict (*Divinity School*)
 Jane Mansbridge, Adams Professor of Political Leadership and Democratic Values (*Kennedy School*)
 Douglas A. Melton, Thomas Dudley Cabot Professor of the Natural Sciences



Roger B. Porter, IBM Professor of Business and Government (*Kennedy School*)
James M. Robins, Professor of Epidemiology and Biostatistics (*Public Health*)
Donald B. Rubin, John L. Loeb Professor of Statistics (*on leave fall term*)
Matthew C. Stephenson, Assistant Professor of Law (*Law School*)
Monica D. Toft, Associate Professor of Public Policy (*Kennedy School*)
Roberto Mangabeira Unger, Roscoe Pound Professor of Law (*Law School*)
Kim Williams, Associate Professor of Public Policy (*Kennedy School*)
William Julius Wilson, Lewis F. and Linda L. Geyser University Professor
Christopher Winship, Diker-Tishman Professor of Sociology

A full list of courses that count toward undergraduate concentration is available in the Office of the Director of Undergraduate Studies.

Department of Government course listings are numerically ordered as follows:

10–50: Introductory and General Courses

90 (with one or more letter suffix): Junior Seminars

91–99: Supervised Reading and Research, and Tutorials

1000–1029 and 2000–2029: Political Methodology and Formal Theory

1030–1099 and 2030–2099: Political Thought and Its History

1100–1299 and 2100–2299: Comparative Government

1300–1599 and 2300–2599: American Government, Public Law, and Administration

1700–1999 and 2700–2999: International Relations

3000–3999: Graduate Courses of Reading and Research and Dissertation Workshops

Introductory and General Courses

Primarily for Undergraduates

[Government 10. Introduction to Political Thought](#)

Catalog Number: 8836

Andrew Sabl (University of California, Los Angeles)

Half course (fall term). Tu., Th., at 11 . EXAM GROUP: 13

An introduction to political theory through the theme "unity and diversity." Political theory will be treated as a project of creating or preserving political cohesion or national identity while preserving or even encouraging variety and individuality among a polity's members. Readings to include Sophocles, Plato, Hobbes, Locke, Rousseau, Marx, Mill, Schmitt, Berlin.



Government 20. Introduction to Comparative Politics

Catalog Number: 6166

Steven R. Levitsky

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

Provides an introduction to key concepts and theoretical approaches in comparative politics. Major themes include democratization and good governance, institutional structures, political culture, economic development, political participation, and ethnic conflict. Examines and critically evaluates major contemporary controversies in comparative politics and applies these in group workshop exercises focused on state-building in Afghanistan and Iraq. Compares cases from Africa, Asia, Europe, and Latin America to illustrate the basic tools and methods of comparative analysis.

Government 30. American Government: A New Perspective

Catalog Number: 0263

Paul E. Peterson and D. Sunshine Hillygus

Half course (spring term). M., W., (F)., at 11, and a weekly section to be arranged. EXAM GROUP: 4

Provides an overview of contemporary American politics, showing how recent changes in elections and media coverage have helped shape key aspects of American government. From the courts, Congress, and the Presidency, to the workings of interest groups and political parties, and, also to the making of public policy, the pressure on political leaders to run permanent campaigns has altered governmental institutions and processes. The course explains how and why.

Cross-listed Courses

Historical Study A-12. International Conflict and Cooperation in the Modern World

Government 90. Junior Seminars

These half courses are limited to 16 participants with preference given to government concentrators in their junior years. Students who have elected the honors program may take two junior seminars (90), two junior tutorials (98) or one of each. Enrollment in both 90 and 98 is determined by a lottery based on student preferences. Undergraduate non-concentrators may enroll in junior seminars and tutorials on a space available basis. All students wishing to enroll in Government 90 or 98 must participate in the lottery.

***Government 90a. Contemporary British Politics**

Catalog Number: 6263 Enrollment: Limited to 16.

James E. Alt

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Focuses on changes in economy, society, and politics in the transition from empire to small country. Topics include the evolving party system, electoral behavior, and a range of policy questions involving economic management, the welfare state, the European Community, race relations, and Northern Ireland.



***Government 90au. Political Economy**

Catalog Number: 8213 Enrollment: Limited to 16.

Torben Iversen

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Examines modern theories of political economy and their applications to macro problems in advanced democracies. Why do some governments and countries generate better economic performance than others? Why are some economies more egalitarian than others? How do politicians manipulate the economy for partisan gain, and how are politicians constrained by institutions and the global economy? We seek to answer these questions using the most promising theories in political science and economics.

***Government 90aw. Contemporary European Politics**

Catalog Number: 0957 Enrollment: Limited to 16.

Daniel F. Ziblatt

Half course (spring term). W., 4–6. EXAM GROUP: 9

The course traces key issues in contemporary Europe focusing on the impact of the May 2004 expansion of the EU on the new members of the EU. How has EU expansion affected the newly admitted states? What lessons can be learned from earlier cases of EU expansion about the prospects for economic growth and political stabilization? What are and will be the political reactions to the ongoing processes of transformation?

[*Government 90ax. Crucial Events in Chinese Elite Politics]

Catalog Number: 7481 Enrollment: Limited to 16.

Roderick MacFarquhar

Half course (spring term). Hours to be arranged.

A critical reexamination of major events in the politics of the People's Republic and of the hitherto accepted Western analyses of them, using the new data made available in the PRC in recent years. The objective is to outline new hypotheses where necessary and more importantly, to explore what need there might be for new ways of studying Chinese politics.

Note: Expected to be given in 2007–08.

[*Government 90bc. Courts and Social Change]

Catalog Number: 9386 Enrollment: Limited to 16.

Kevin M. Quinn

Half course (spring term). Hours to be arranged.

Many commentators argue that courts, particularly the Supreme Court, have brought about non-trivial social change. This course looks at the processes by which such changes might occur and examines the empirical support for claims of court-driven social change.

Note: Expected to be given in 2007–08.

***Government 90bg. Parties and Elections - (New Course)**

Catalog Number: 9098 Enrollment: Limited to 16.

Nahomi Ichino

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Broadly examines whether and how political parties and elections induce governments to be accountable to their citizens, with an emphasis on developing areas.



***Government 90bi. Politics of Immigration and Citizenship - (New Course)**

Catalog Number: 1304 Enrollment: Limited to 16.

Cara Wong (University of Michigan)

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

This course is a seminar on the politics of immigration and citizenship, with an emphasis on the U.S. and Europe. It is designed to explore conceptual and methodological issues, while focusing on how immigrants influence and are shaped by the political systems of the "receiving" countries. Among the topics to be covered include the history of different immigration and naturalization policies, the rights and duties of citizenship, and the racism and xenophobia associated with immigration.

***Government 90ce. United States Foreign Policy - (New Course)**

Catalog Number: 7040 Enrollment: Limited to 16.

J. Lawrence Broz (University of California, San Diego)

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Examines the content and sources of US foreign policy, with special attention to research design and implementation issues (useful for students preparing senior thesis topics).

***Government 90cg. Immigration and Citizenship - (New Course)**

Catalog Number: 0729 Enrollment: Limited to 16.

Kim Williams (Kennedy School)

Half course (fall term). W., 4–6. EXAM GROUP: 9

We begin the course by asking why people move. Next, we will consider the origins and implications of policies that admit some people into the United States while barring others. We will survey competing theories of immigrant incorporation -- with attention to the growing gap between immigrants' numbers and power -- and confront present-day debates about citizenship and belonging. Students will become familiar with the basic empirical tools needed for further research in the field.

***Government 90dd. Education Politics and Policy**

Catalog Number: 3796 Enrollment: Limited to 16.

Paul E. Peterson

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Analysis of political forces shaping elementary and secondary education governance and policy. Major contemporary issues discussed. Students expected to write term papers.

***Government 90dg. Egalitarianism - (New Course)**

Catalog Number: 0651 Enrollment: Limited to 16.

Eric Beerbohm

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

This course examines equality as a social, political, and moral ideal. What, if anything, is objectionable about material and political inequalities among citizens? Does equality have any intrinsic moral significance? Should democratic institutions ensure equality of opportunity, equal outcomes, or equal social standing? Readings will integrate debates about the value of equality with studies of present inequalities in education, health care, and democratic politics.



***Government 90ej. Social Identities**

Catalog Number: 9514 Enrollment: Limited to 16.

Yoshiko M. Herrera

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

An introduction to theories of social identity in political science and social psychology.

Considers a range of traditional identity categories, including race, ethnicity, nationality, class, status, gender, and religion. Emphasizes techniques and strategies that have been developed to measure identity. Course readings consist mainly of empirical works on identity from a variety of geographical areas.

***Government 90eo. Globalization and American Foreign Economic Policy**

Catalog Number: 9955 Enrollment: Limited to 16.

Michael J. Hiscox

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Examines the foreign economic policies of the US in the context of increasing global economic integration. Topics include: globalization benefits and costs, winners and losers; lessons from history; trade policy; multinational corporations; debt crises; labor standards; and international environmental issues.

[*Government 90fj. Political Persuasion]

Catalog Number: 5033 Enrollment: Limited to 16.

D. Sunshine Hillygus

Half course (spring term). Hours to be arranged.

Examines political persuasion and democratic decision-making, with particular attention paid to government persuasion campaigns such as presidential elections. What is the function of political persuasion in American democracy? What techniques do political elites use to attempt to influence mass opinions and behavior? Who is most likely to be influenced by such appeals? What is the role of the mass media? Readings drawn from political communication, political psychology, and political behavior.

Note: Expected to be given in 2007–08.

***Government 90gs. Civil Society in Asia**

Catalog Number: 7546 Enrollment: Limited to 16.

Susan J. Pharr

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

This seminar explores the concept of civil society with a focus on Asia. It looks at the Western origins of the idea of civil society, public space, and social capital; debates over their applicability outside the West; the relation between civil society and democracy; the forms civil society takes under conditions of repression; and how civil societies arise in the first place. Special attention to China, Japan, Korea, Taiwan, and India.

[*Government 90ia. Sino-US Relations in an Era of Rising Chinese Power]

Catalog Number: 9006 Enrollment: Limited to 16.

Alastair Iain Johnston

Half course (spring term). Hours to be arranged.

Assesses theoretical arguments and empirical evidence concerning the implications of Chinese



economic and military modernization for conflict and cooperation between China and the US. Some issues examined include global arms control, trade, the environment, and regional security.
Note: Expected to be given in 2007–08.

***Government 90iq. Japan in the Social Sciences**

Catalog Number: 0663 Enrollment: Limited to 16.

Susan J. Pharr

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

This seminar analyzes politics, society, and policy in contemporary Japan. It brings theories and approaches from political science, sociology, economics, and other disciplines to bear on basic issues and problems relating to Japan in comparative perspective over the period from 1868 to the present, focusing mainly on the past decade. It takes the measure of Japanese democracy; of the socio-political system that is emerging from the “lost decade”; and of Japan’s evolving international role.

***Government 90jf. Leaders, Politicians, and Visionaries**

Catalog Number: 3754 Enrollment: Limited to 16.

Catherine R. Shapiro

Half course (fall term). M., 2–4. EXAM GROUP: 7

What is the role of leadership in US politics? Why have particular individuals—Thomas Jefferson, Elizabeth Cady Stanton, Franklin Delano Roosevelt, Martin Luther King—had tremendous impact on the ways we think and behave politically? Can one learn effective leadership skills? Can one learn to be charismatic? What is the relationship between leaders and followers? How do leaders handle adversity? Students consider classic readings on leadership, analyses of specific US leaders, and conduct independent research.

***Government 90jl. The Mirror of Princes**

Catalog Number: 9673 Enrollment: Limited to 16.

Harvey C. Mansfield and William Kristol

Half course (spring term). M., 4–6.

Advice to the prince from ancient, medieval and modern readings: Xenophon, On Tyranny and Cyropaideia; Ptolemy of Lucca, On the Government of Rulers; Machiavelli, The Prince.

***Government 90jm. Comparative Constitutionalism: Religion and State - (New Course)**

Catalog Number: 5104 Enrollment: Limited to 16.

Ofrit Liviatan

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Introduction to key constitutional concepts using a cross-national comparative examination of religious freedom issues. Topics include: processes of constitution-making, implementing and enforcing constitutions, constitutional accommodation of diversity and the relationship between societies and their constitutions. Readings emphasize contemporary debates on religious affairs: the wearing of religious headscarves, public funding for religious institutions, same-sex marriage and more.

***Government 90mi. Plato’s Political Dialogues - (New Course)**

Catalog Number: 9163 Enrollment: Limited to 16.



Andrew Sabl (University of California, Los Angeles)
Half course (fall term). M., 2–4. EXAM GROUP: 7, 8
A reading of Plato's Protagoras and Gorgias.

***Government 90ni. Racial and Ethnic Politics in the US**

Catalog Number: 0281 Enrollment: Limited to 16.

Cara Wong (University of Michigan)

Half course (fall term). Tu., 4–6. EXAM GROUP: 18

This course is a seminar on racial and ethnic politics in the US, focusing primarily on African Americans, Latinos, Asian Americans, and Caucasians. It is designed to explore conceptual and methodological issues, while focusing on how racial and ethnic groups shape and are shaped by the American political system. Among the topics to be covered include the meaning of race and ethnicity, the history of racial and immigration politics, prejudice, group participation, and mobilization, political representation, and public opinion.

***Government 90nl. Election Polling and Public Opinion - (New Course)**

Catalog Number: 3531 Enrollment: Limited to 16.

Chase Henri Harrison

Half course (fall term). Th., 4–6. EXAM GROUP: 18

Political polls and other survey methodologies are frequently used to understand and explain both voter intentions and public opinion. This course will examine the theoretical and practical issues involved in using polls and surveys. We will explore the normative assumptions involved in polling, study possible sources of error in survey measures, and discuss the prospective implications of polling for policy and governance.

***Government 90pn. The Chinese Revolution in Comparative Perspective - (New Course)**

Catalog Number: 8639 Enrollment: Limited to 16.

Elizabeth J. Perry

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

The course will cover general theories of revolutionary change as well as specific studies of revolutionary movements in China, from the 19th century Taiping rebels to the present. We will examine the causes and consequences of these movements for Chinese politics, and consider their similarities and differences to revolutionary uprisings elsewhere around the world.

Note: Preference given to Government concentrators

***Government 90q. US–Latin American Relations**

Catalog Number: 5153 Enrollment: Limited to 16.

Jorge I. Domínguez

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

A study of political and economic relations between the United States and Latin American countries, and of the international relations of Latin America since 1960. Attention also given to foreign policy decision making in the United States and Latin America, and to alternative approaches to the study of international relations and foreign policy.

[*Government 90qa. Community in America]

Catalog Number: 4941 Enrollment: Limited to 16.



Robert D. Putnam

Half course (fall term). Hours to be arranged.

Has the social fabric of America's communities and the civic engagement of its citizens changed over the last generation? Why? Does it matter? What lessons might we find in American history? These questions are at the focus of this seminar.

Note: Expected to be given in 2007–08.

***Government 90qd. Liberalism, Communitarians and Federalism: the Politics of Constitutional Design - (New Course)**

Catalog Number: 9217 Enrollment: Limited to 16.

Stefan Collignon (London School of Economics)

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

The course analyses the origin of federalism, its different articulations (republic, communitarian, liberal) in the US and Europe. The concepts of sovereignty and subsidiarity are discussed as well as the implications for fiscal federalism. Finally, lessons for the European Union and its constitution are drawn.

***Government 90qm. International Relations Theory**

Catalog Number: 9031 Enrollment: Limited to 16.

Bear F. Braumoeller

Half course (spring term). Tu., 6–8 p.m. EXAM GROUP: 18

Critical evaluation of modern theories of international relations, with an emphasis on the consistency and logic of theoretical argument as well as the relevance of evidence brought to bear on the question at hand. Subject matter covers, in part, systemic theories, conflict and cooperation, international institutions, domestic institutions and foreign policy, and individual decision processes, with applications in international security, international political economy, and human rights.

***Government 90sp. Future of War**

Catalog Number: 6012 Enrollment: Limited to 16.

Stephen P. Rosen

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Examines the character and implications of political and technological factors that could affect the future conduct of war.

***Government 90td. Comparative Leadership Politics**

Catalog Number: 6687 Enrollment: Limited to 16.

Timothy J. Colton

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Do political leaders make a difference? Under what conditions do they matter more or less? How are leaders and leadership qualities formed? The course considers these questions, as played out in a variety of societies and political regimes.

***Government 90ti. Adorno - (New Course)**

Catalog Number: 9504 Enrollment: Limited to 16.

Michael E. Rosen



Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Theodor Adorno (1903-1969) was a thinker of extraordinary breadth: at once a philosopher, social theorist, musicologist and critic. His writing is dense, complex and allusive. The aim of this course is to take some of Adorno's best-known writings and to see them as part of the thinking of someone who, however much he moved from field to field, had a consistent underlying vision of politics, art and society.

***Government 90tm. Contemporary Arab Political and Social Thought - (New Course)**

Catalog Number: 5418 Enrollment: Limited to 16.

Emad Shahin (The American University in Cairo)

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

This course focuses on the development of political and social thought in the Arab world since the end of the nineteenth century. It examines the various attempts at achieving reform or an "Arab awakening," and the social and political contexts that gave rise to several competing ideologies. Discussions will cover the Islamic ideology, early reform movements, intellectual encounters with the West, Islamic modernism, regional nationalism, Arab nationalism, radical ideologies, and Islamic revival.

***Government 90vo. Democratic Theory and the Electoral Law**

Catalog Number: 3640 Enrollment: Limited to 16.

Dennis F. Thompson

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

An exploration of the theoretical dimensions of contemporary controversies about the electoral process in the US. Among the topics considered are concepts of representation in racial districting, the meaning of free choice in a two-party system, and the limits of majoritarianism in the governance of elections. Readings in political theory and election law.

***Government 90zc. Crime and Punishment - (New Course)**

Catalog Number: 2272 Enrollment: Limited to 16.

Matthew E. Price

Half course (fall term). Tu., 7–9 p.m. EXAM GROUP: 18

This course considers the justifications for, and the limits of, the criminal law. Why should one obey its commands? What conduct can justly be criminalized? How much discretion should police, prosecutors, and juries have in enforcing the law? What justifies punishment? We will explore these and related questions in light of controversial cases, including hate speech, sodomy, surrogate motherhood, racial profiling, jury nullification, and the death penalty.

Tutorials

***Government 91r. Supervised Reading and Research**

Catalog Number: 2444

Timothy J. Colton

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading leading to a term paper in a topic or topics not covered by regular courses of instruction.

Note: Limited to juniors and seniors. Does not count for concentration. Offered at the discretion



of the individual instructors. Written proposal and signature of Director of Undergraduate Studies required.

***Government 97a. Tutorial — Sophomore Year**

Catalog Number: 3023

Harvey C. Mansfield and Thomas Burke (Wellesley College)

Half course (fall term). Hours to be arranged.

Issues in American politics used to investigate the fundamental political questions that confront any society. Readings in classics of American politics and of liberal political theory; great speeches; important Supreme Court cases.

Note: Fall enrollment required of sophomores.

***Government 97b. Tutorial — Sophomore Year**

Catalog Number: 4403

Stanley Hoffmann and Jens Meierhenrich

Half course (spring term). Hours to be arranged.

Examines a number of episodes in world history, from the Greek city states to the present, in order to study the interrelationships between domestic and international politics, as well as the ideas of relevant political philosophers.

Note: Spring enrollment required of sophomores.

***Government 98r. Tutorial — Junior Year**

Catalog Number: 7179

Timothy J. Colton and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Ordinarily taken as two half courses by juniors who have elected the honors program, but open to all junior Government concentrators. Students may take two junior tutorials (Government 98), two junior seminars (Government 90), or one of each. Enrollment determined by a lottery based on student preferences. Students planning on being off campus during part or all of junior year should see the Head Tutor about permission to take junior tutorials or seminars before or after their absence. Undergraduate nonconcentrators may enroll in junior tutorials or seminars if space is available. All students wishing to enroll in Government 90 or 98 must participate in the lottery.

***Government 99br. Senior Research Seminar**

Catalog Number: 4609 Enrollment: Limited to 6.

Jennifer L. Hochschild

Half course (fall term). M., 2–4.

Note: Taken as two half courses by those who have elected the honors program and in order to write their senior theses. The instructor serves as thesis adviser to those enrolled.

Prerequisite: Two half courses of Government 98 or 90, in any combination. Enrollment by permission of the instructor.

***Government 99r. Tutorial — Senior Year**

Catalog Number: 3652

Timothy J. Colton and members of the Department



Half course (fall term; repeated spring term). Hours to be arranged.

Note: Taken as two half courses by those who have elected the honors program and in order to write their senior theses.

Prerequisite: Two half courses of Government 98 or 90, in any combination.

Political Methodology and Formal Theory

For Undergraduates and Graduates

Government 1001. Introduction to Quantitative Methods in Political Science

Catalog Number: 0881

Adam Glynn

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Can exit polls detect election fraud? What are the determinants of political corruption? Is Islam incompatible with open government? In what sense (if any) does democracy reduce the probability of war? The field of quantitative political methodology addresses these questions and many others by using and developing statistical methods that combine data with political science theory. This course is designed to provide undergraduates with the basic skills necessary to use quantitative methods in their own research.

Prerequisite: High school algebra.

Government 1004. Introduction to Agent-Based Modeling - (New Course)

Catalog Number: 7516

Elizabeth M. Penn and John W. Patty

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

This course will provide a hands-on approach to modeling individual and group behavior using computer simulation techniques. An emphasis will be placed on in-class examples and student projects. No prior programming experience is necessary.

Government 1006. Mathematics of Elections - (New Course)

Catalog Number: 9430

Elizabeth M. Penn

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

Voting procedures provide the commonest means of aggregating preferences of individuals into societal outcomes. This course will examine the effects that different voting procedures have on how groups make decisions. Topics will include Arrow's Theorem and other legislative paradoxes, and why the choice of electoral procedure is critical to our understanding of how "good" and "bad" decisions are made. We will also study electoral systems currently in use in over fifty of the world's democracies.

Government 1007. Quantitative Analysis of American Politics - (New Course)

Catalog Number: 5315

Jefferson M. Gill (University of California, Davis)

Half course (fall term). M., W., at 10. EXAM GROUP: 3

This course introduces the application of basic quantitative methods to the study of American Politics. The emphasis is on how mathematical and statistical tools help understand political



behavior and institutions in the U.S. Topics include measurement, measures of association, comparison of means, plotting, and regression. The class will provide tools for analyzing political data and presentation of results in research papers, class essays, and theses. No prior mathematics or government courses required.

Government 1008. Introduction to Geographical Information Systems - (New Course)

Catalog Number: 9732

Sumeeta Srinivasan

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This course introduces Geographical Information Systems and their applications. GIS is a combination of software and hardware with capabilities for manipulating, analyzing and displaying spatially referenced information. The course will meet two times a week. Every week, there will be a lecture and discussion as well as a laboratory exercise where students will work with GIS software on the computer. No Prerequisites.

[Government 1009. Advanced Geographical Information Systems Workshop] - (New Course)

Catalog Number: 8150

Sumeeta Srinivasan

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

This course is a workshop for students who have taken the introductory Geographical Information Systems course and want to explore detailed applications. The course will meet two times a week for a lecture and a laboratory exercise.

Note: Expected to be given in 2007–08.

Government 1010. Survey Methods and Design

Catalog Number: 8482

Chase Henri Harrison

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Surveys and polls are fundamental to the study of public opinion and behavior, and they play an increasingly prominent role in electoral politics. This course is designed to teach students the skills necessary to implement, use, and interpret opinion surveys. The course will focus on the concepts and principles necessary for designing a reliable and valid survey questionnaire, and will be structured as a reading course on survey methods and a practicum in survey design.

Government 1011. Practicum in Survey Research - (New Course)

Catalog Number: 7359

Chase Henri Harrison

Half course (spring term). Th., 4–6. EXAM GROUP: 18

This course will be designed to provide students the opportunity to put into practice the principles and concepts of survey research. Students will experience the survey process first hand by designing, implementing, and analyzing their own survey on any topic of their choosing or by working with a faculty member on an ongoing survey project. This broad, hands-on approach will provide a supervised environment in which students can gain practical experience in conducting surveys.



Government 1015. Strategic Models of Political Economy

Catalog Number: 5117

John W. Patty

Half course (fall term). Tu., Th., at 2. EXAM GROUP: 16

A first course in formal methods in political economy. The course is meant to introduce students to modeling techniques as well as the practice of applying such techniques to the study of political science and economics. Though theoretically motivated, the course will also discuss the role of empirical evaluation in model building and testing.

Cross-listed Courses

***Economics 2020a. Microeconomic Theory I**

***Economics 2020b. Microeconomic Theory II**

Engineering Sciences 103. Spatial Analysis of Environmental and Social Systems

Social Analysis 46. Thinking about Politics: A Rational Choice Approach

Primarily for Graduates

Government 2000. Introduction to Quantitative Methods I

Catalog Number: 2281

Adam Glynn

Half course (fall term). M., 4–6. EXAM GROUP: 9

An introduction to statistical research in political science with a focus on applied linear regression.

Government 2001. Advanced Quantitative Research Methodology

Catalog Number: 8941

Gary King

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Introduces theories of inference underlying most statistical methods and how new approaches are developed. Examples include discrete choice, event counts, durations, missing data, ecological inference, time-series cross sectional analysis, compositional data, causal inference, and others.

Prerequisite: Government 2000 or the equivalent.

Government 2002. Topics in Quantitative Methods

Catalog Number: 8168

Jefferson M. Gill (University of California, Davis)

Half course (spring term). W., 4–6. EXAM GROUP: 9

Explores various topics in quantitative methods. Focuses on the robust estimation of generalized linear models but also covers some time-series cross section methods.

Prerequisite: Government 2000 and Government 2001, or equivalent, or permission of the instructor.

***Government 2003. Hierarchical Bayesian Modeling**

Catalog Number: 3713

Jefferson M. Gill (University of California, Davis)



Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Provides students a solid understanding of Bayesian inference and Markov chain Monte Carlo methods. Topics covered include: Bayesian treatment of the linear model, Markov chain Monte Carlo methods, assessing model adequacy, and hierarchical models.

Prerequisite: Government 1000 and Government 2000, the equivalents, or permission of the instructor.

Government 2005. Formal Political Theory I

Catalog Number: 1719

Elizabeth M. Penn

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

A graduate seminar on micro-economic modeling, covering price theory, decision theory, social choice theory, and game theory.

Government 2006. Formal Political Theory II

Catalog Number: 5487

John W. Patty

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Continuation of Government 2005.

***Government 2009. Methods of Political Analysis**

Catalog Number: 1080 Enrollment: Limited to 15.

Peter A. Hall

Half course (spring term). Th., 4–6. EXAM GROUP: 18

Covers the issues and techniques central to designing and researching a good dissertation, whether quantitative or qualitative, including principles of research design, case selection, comparison, measurement, and causal relations, with many practical examples.

Note: Open to all doctoral students, regardless of year, and to advanced undergraduates.

[Government 2010. Strategies of Political Inquiry]

Catalog Number: 7421

Michael J. Hiscox

Half course (fall term). Hours to be arranged.

Introduces how to do research—assessing scholarly literatures, identifying interesting questions, formulating research designs, learning methods, and writing up results. We discuss each for both quantitative and qualitative studies.

Note: Expected to be given in 2007–08. Primarily for graduate students; also taken by undergraduates preparing for senior thesis research.

[Government 2011. Social Choice Theory] - (New Course)

Catalog Number: 3229

Elizabeth M. Penn

Half course (fall term). Hours to be arranged.

This course will cover advanced topics in formal modeling that might not otherwise be covered in a non-cooperative game theory course. Topics will include social choice theory, spatial



modeling, fixed point theorems and mechanism design.

Note: Expected to be given in 2008–09.

Government 2359. Political Persuasion - (New Course)

Catalog Number: 1107

D. Sunshine Hillygus

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

This seminar examines topics in public opinion, political communication, and political persuasion. Permission of instructor required for all students who are not graduate degree candidates in the FAS Department of Government.

Political Thought and Its History

For Undergraduates and Graduates

***Government 1039. Democratic Theory**

Catalog Number: 5297

Jane Mansbridge (Kennedy School)

Half course (spring term). Tu., Th., 1:10–2:30. EXAM GROUP: 15, 16

This course traces the evolution of western democratic theory from the ancient Greeks to the present, with particular emphasis on the institutions that influenced and were in turn influenced by these evolving theories. Readings from Aristotle and Hobbes through Habermas and Foucault, with one foray into Islamic thought. The course has two aims: to give an appreciation of the history behind the ideas that shaped today's democracies and to pose critical normative questions for today.

Note: Offered jointly with the Kennedy School as PAL 216.

Government 1060. The History of Ancient and Medieval Political Philosophy

Catalog Number: 4978

Aaron Garrett (Boston University)

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

Philosophical debates about politics from Plato to Leonardo Bruni.

Note: This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning.

Government 1061. The History of Modern Political Philosophy

Catalog Number: 5035

Nancy Lipton Rosenblum

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Political thought from Machiavelli to Nietzsche, including a study of Hobbes, Locke, Burke and Paine, Rousseau, Kant, Hegel, Marx and J.S. Mill. Themes include political morality and civic virtue, political power and political constraint.

Note: This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning.



[Government 1067. Liberalism]

Catalog Number: 7139

D. Glyn Morgan

Half course (spring term). Hours to be arranged.

This course examines liberalism as a political doctrine. Focuses on four theorists (J. S. Mill, Friedrich Hayek, Robert Nozick, and John Rawls) and four topics (the market, the family, the state, and international society).

Note: Expected to be given in 2007–08.

Government 1071. Political Ethics - (New Course)

Catalog Number: 0716

Andrew Sabl (University of California, Los Angeles)

Half course (spring term). M., W., at 10. EXAM GROUP: 3

Major issues in the morality-or immorality-of political life. Readings will cover moral and political theory (Mill, Kant, virtue ethics, Machiavelli, Weber, others), contemporary examples (presidential campaigns, Watergate, terrorism, civil rights, war) , and biographical cases. Topics: basic ethical theory; role-relative ethics; "Machiavellian" amorality; democratic responsibility and representation; ethics of compromise; "dirty hands" problems; international ethics; varieties of political vocation.

[Government 1082. What is Property?]

Catalog Number: 2723

Eric M. Nelson

Half course (spring term). Hours to be arranged.

This course will investigate the major theories of property in the Western political tradition and address such key questions as: How do we come to own things? What claims do others have on the things we own? Is the community the ultimate owner of all goods? Do property rights really exist, and, if so, what is their source? Readings will include the Bible, Plato, Aristotle, Cicero, More, Harrington, Locke, Marx, and Nozick.

Note: Expected to be given in 2008–09.

Government 1092. The Past and Future of the Left

Catalog Number: 6197

Roberto Mangabeira Unger (Law School)

Half course (spring term). Tu., 4:45–6:45. EXAM GROUP: 18

Political and social theory reconsidered from the vantage point of a major tradition in modern politics. Explaining and overcoming the disorientation of the Left in contemporary societies. The rise and fall in the nineteenth and twentieth centuries of the idea of a progressive alternative to established institutions. The directions the Left today now takes, might take, or should take. The relation of programmatic thought to the understanding of change and constraint.

Note: Offered jointly with the Law School as 44170-31.

[Government 1093. Ethics, Biotechnology, and the Future of Human Nature]

Catalog Number: 4613

Michael J. Sandel and Douglas A. Melton

Half course (spring term). Hours to be arranged.



Explores the moral, political, and scientific implications of new developments in biotechnology. Does science give us the power to alter human nature? If so, how should we exercise this power? The course examines the science and ethics of stem cell research, human cloning, sex selection, genetic engineering, eugenics, genetic discrimination, and human-animal hybrids.

Note: Expected to be given in 2008–09. May not be taken concurrently with MCB 60. May not be taken for credit if MCB 60 has already been taken.

Cross-listed Courses

Note: These courses do *not* satisfy the political theory field requirement in Government except Moral Reasoning 17, Moral Reasoning 22, and Moral Reasoning 58.

[Economics 2080. Economics and Politics: The Foundations of Economics in Political Theory]

[Historical Study B-34. The World in 1776](#)

[Moral Reasoning 17. Democracy and Inequality](#)

[Moral Reasoning 22. Justice]

[Moral Reasoning 58. Slavery in Western Political Thought](#)

Primarily for Graduates

[Government 2029. Scottish Enlightenment - \(New Course\)](#)

Catalog Number: 7249

Andrew Sabl (University of California, Los Angeles)

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

A study of the Scottish Enlightenment and its influences, focusing on the project of combining ancient ethics with the modern human sciences. Stoicism and Epicureanism; Cicero; Mandeville, Shaftesbury and Hutcheson; Hume and Smith.

[*Government 2030. Political Concepts: Field Seminar](#)

Catalog Number: 0551 Enrollment: Limited to graduate students in Government

Dennis F. Thompson

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Reading and discussion of rival accounts of the basic concepts of political thinking.

[*Government 2034. Ethics and Economics]

Catalog Number: 4652

Michael J. Sandel

Half course (spring term). Hours to be arranged.

The seminar explores the moral limits of markets. Topics to include organ sales, pollution permits, for-profit prisons, mercenary armies, vote-selling, the patenting of life forms, and the commercialization of medicine, law, and higher education.

Note: Expected to be given in 2007–08. Intended for graduate students.

[*Government 2044. Hegel and Marx - \(New Course\)](#)

Catalog Number: 6799 Enrollment: Limited to 16.



Michael E. Rosen

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

We will look at some of the key themes in the political thought of both authors, not neglecting the wider intellectual context within which their political thinking is located.

***Government 2069. Contemporary Virtue Ethics - (New Course)**

Catalog Number: 8809

Martha C. Nussbaum (Law School)

Half course (spring term). Tu., 4–6. EXAM GROUP: 18

This graduate seminar studies the revival of a neo-Aristotelian ethics of virtue in contemporary moral philosophy, considering, among others, Iris Murdoch, John McDowell, Bernard Williams, Philippa Foot, Nancy Sherman, Henry Richardson, and Alasdair MacIntyre.

Note: Offered jointly with the Law School as 91812A. Meets at the Law School.

[Government 2079. Hume]

Catalog Number: 6648

Richard Tuck

Half course (spring term). Hours to be arranged.

This course is an opportunity to study in depth the ethical and political writings of David Hume, including the Treatise, the Enquiries, the Essays, the History of England, and his minor works.

Note: Expected to be given in 2007–08. Though primarily for graduates, it is open to qualified undergraduates.

Government 2080 (formerly Government 1059). Topics in Political Philosophy: Natural Right

Catalog Number: 4345 Enrollment: Limited to 20.

Harvey C. Mansfield

Half course (spring term). W., 4–6. EXAM GROUP: 9

A reading of Aristotle's Politics.

Note: Open to qualified undergraduates.

***Government 2082. Religion and the First Amendment**

Catalog Number: 1485

Martha C. Nussbaum (Law School)

Half course (spring term). W., 3–6. EXAM GROUP: 8, 9

This law course focuses on the relationship between the Establishment clause and the Free Exercise clause and between both and underlying concepts, such as freedom, equality, non-hierarchy, separation, and neutrality. Background readings in philosophy include Locke, Rousseau, and Rawls.

Note: Offered jointly with the Law School as 45741A. Meets at the Law School. Undergraduates need permission of instructor to enroll but graduate students do not.

[*Government 2090. Ethics and Biotechnology]

Catalog Number: 0942

Michael J. Sandel

Half course (fall term). Hours to be arranged.



The seminar explores the moral and political implications of recent advances in biotechnology. Topics include cloning, stem cell research, genetic engineering, eugenics, and patenting of life forms.

Note: Expected to be given in 2007–08. Offered jointly with the Law School as 93370-11. Meets at the Law School. Open to GSAS students with permission of the instructor.

Comparative Government

For Undergraduates and Graduates

Government 1100. Political Economy of Development

Catalog Number: 7687

Robert H. Bates

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Comparative analysis of political economy of development drawing on case studies from Africa, Asia, the Middle East, and Latin America.

[*Government 1115. Collective Action, Protest Movements, and Politics]

Catalog Number: 5508 Enrollment: Limited to 15.

Grzegorz Ekiert

Half course (spring term). Hours to be arranged.

Reviews the contemporary literature on collective action, protest, and social movements. Focuses primarily on political factors facilitating protest, repertoires of contention, the role of cultural factors and the construction of identities through collective action, and methods of studying collective action. Cases drawn from different regions and historical periods.

Note: Expected to be given in 2007–08. Preference given to seniors and juniors. Weekly meetings are divided between lecture and discussion.

Government 1167. Fire and Ice? Comparing Politics and Government in Canada and the United States - (New Course)

Catalog Number: 5061

Richard E. B. Simeon (University of Toronto)

Half course (fall term). M., W., at 1. EXAM GROUP: 6

This course will concentrate on politics and government in Canada, viewed through the lens of comparison with the United States. Both countries are liberal democracies with many shared values; they are tightly integrated culturally and economically. Yet many see increasing divergence—in values, institutions, and policies. What explains similarity and difference; convergence and divergence? The course will be linked to the activities of the 'Canada Seminar' of the Weatherhead Center for International Affairs.

Government 1170. Nation-Building and Democracy in the Development of Europe

Catalog Number: 2585

Daniel F. Ziblatt

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

The course introduces students to the political development of western and eastern Europe, providing students with key historical context for understanding the challenges of the European



Union's 2004 eastward enlargement. The main focus will be on the issues of feudalism, state-formation, revolution, industrialization, nationalism, and democracy to explore the origins and consequences of the historic divide between the two halves of Europe.

Government 1183. European Integration: Political, Philosophical, and Legal Perspectives

Catalog Number: 4875

D. Glyn Morgan

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Postwar Europe has embarked upon a project of integration. Why? Where will it end? Can we expect a "United States of Europe?" Does European integration spell the end of NATO and the rise of a European nationalism? What do eurosceptics want? Is there a European model of society? How will Europe assimilate its minorities? Does Europe—as some far-sighted thinkers have argued—need a Superstate?

Government 1190. The Politics of the European Union - (New Course)

Catalog Number: 0583

Tanja Boerzel (Free University of Berlin) and Thomas Risse (Free University of Berlin)

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

The European Union (EU) consists today of 25 European countries. It has evolved into a political community that deeply affects the daily lives of its citizens. How can we explain the process of European integration? The lecture class surveys the development of European integration and introduces students to EU's political system. We will also discuss theories of European integration. And we will examine challenges for the EU at the beginning of the 21st century.

Government 1194. Ideas of Social Justice: the German Model in the European Context - (New Course)

Catalog Number: 6512

Stefan Collignon (London School of Economics)

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Ideas of social justice take many forms. In this lecture course we will look at the German model of articulating these ideas, and how they are related to the broader intellectual, social and political European background.

Government 1197. The Political Economy of Africa

Catalog Number: 9130

Robert H. Bates and James Robinson

Half course (fall term). Tu., Th., at 9. EXAM GROUP: 11

The basic social science literature on Africa's development. Particular emphasis on political economy.

[Government 1203. East European Politics and Societies]

Catalog Number: 7078

Grzegorz Ekiert

Half course (fall term). Hours to be arranged.

General introduction to East European politics focusing on the countries outside the former Soviet Union. Examines critical periods and dynamics of political and economic changes in the



region from the end of World War I to the recent enlargement of the European Union.
Note: Expected to be given in 2007–08. Preference given to juniors and seniors. Weekly meetings are divided between lecture and discussion.

Government 1206. Contemporary Political Islam

Catalog Number: 0371

Emad Shahin (The American University in Cairo)

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

This course provides students with an understanding of the phenomenon of political Islam and its impact on today's politics. It analyzes the Islamic order and the model(s) that inspires modern Islamist activists; examines the ideas of main ideologues of contemporary Islamic movements; and presents case studies of mainstream and radical Islamic groups. The course concludes with a critical analysis of the future of political Islam and its relations with the West.

***Government 1209. Post-Communist Islam - (New Course)**

Catalog Number: 5816 Enrollment: Limited to 25.

Thomas Simons

Half course (spring term). Tu., at 2; W., at 4. EXAM GROUP: 16

Examines the contemporary situations of Muslims in the post-Soviet space and Eastern Europe. After sessions on Islam as a religion and in history and on Muslims in the Russian Empire and under Communism, focuses on post-Soviet developments in the four main Eurasian areas where Muslims live, in Russia and in independent new states. Ends with sessions on Chechnya and on Muslims in the Balkans. Main theme: the interplay of socio-economic development, religion, and politics.

Government 1211. The Politics of African Humanitarian Emergencies - (New Course)

Catalog Number: 4479

Alexander de Waal

Half course (fall term). W., F., at 10. EXAM GROUP: 3

This course provides students with an introduction to humanitarian emergencies in Africa, including their origins, nature, and how international actors seek to resolve them through relief and humanitarian intervention. It will include an inter-disciplinary approach to the theory of famine, war and humanitarian action--requiring study of economics, public health, anthropology, politics and international humanitarian law--alongside case studies of crises including Somalia, Rwanda, Sudan and southern Africa.

Government 1218. Globalization, Development, and the Middle East - (New Course)

Catalog Number: 3963

Emad Shahin (The American University in Cairo)

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

This course focuses on globalization, development, and the Middle East and North Africa (MENA). It investigates globalization and the politics and strategies of development in the MENA . The topics that the course covers include: the impact of the global economy on MENA countries; the mismanagement of the region's resources; types of political regimes; problems associated with state-led growth, privatization, and corruption; the limits of liberalization; and, regional integration vs. globalization. The assigned readings analyze specific case studies.



[Government 1235. Genocide]

Catalog Number: 8404

Jens Meierhenrich

Half course (fall term). Hours to be arranged.

This lecture course examines the theory and history of genocide. It compares and contrasts the dynamics of genocide in Turkey, Germany, Cambodia, the former Yugoslavia, Rwanda, and Sudan to shed light on the origins of "final solutions" and their disastrous effects. By examining possible and impossible solutions to this problem of "radical evil," the course further assesses the conditions for, and limitations to, achieving justice in domestic politics and international affairs.

Note: Expected to be given in 2007–08.

Government 1243. Russian Politics in Transition

Catalog Number: 1982

Dmitry P. Gorenburg

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

An examination of politics in the Russian Federation since the collapse of Soviet communism, focusing on the factors promoting and impeding the development of a stable democratic regime. Topics include the general dynamics of political and economic transformation, leadership, institution building, political culture, regionalism and federalism, electoral and party politics, state-society relations and interest groups, and Russian nationalism and neo-imperialism.

Government 1273. The Political Economy of Japan

Catalog Number: 1365

Margarita Estevez-Abe

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Examines the history of Japan's political economy, its recent success and its current problems. Why did Japan succeed in becoming the first non-Western society to industrialize? Did Japan develop a particular brand of capitalism? What role did the political system play? What are its advantages and disadvantages of the Japanese model? Can it overcome the current technological changes and global pressures? Or is it no longer a viable model to emulate?

[Government 1280. Government and Politics of China]

Catalog Number: 1643

Elizabeth J. Perry

Half course (fall term). Hours to be arranged.

General introduction to the politics of contemporary China. Basic objectives are to provide a working knowledge of Chinese political programs and practices, and to encourage a critical evaluation of the positive and negative aspects of China's socialist experiment.

Note: Expected to be given in 2007–08.

Government 1295. Comparative Politics in Latin America

Catalog Number: 4241

Steven R. Levitsky

Half course (spring term). M., W., 2–3:30 and a section to be arranged. EXAM GROUP: 7, 8

Examines dynamics of political and economic change in modern Latin America, focusing on Argentina, Brazil, Chile, Cuba, Mexico, and Venezuela. Topics include the rise of populism and



import-substituting industrialization, revolutions and revolutionary movements, the causes and consequences of military rule, the politics of economic reform, democratic transitions, and democratic consolidation. The course analyzes these phenomena from a variety of different theoretical perspectives, including cultural, dependency, institutionalist, and leadership-centered approaches.

Government 1296. Contemporary Mexican Politics - (New Course)

Catalog Number: 7497

Alejandro A. Poire Romero

Half course (fall term). Tu., Th., at 9. EXAM GROUP: 11

Analyzes Mexico's change from an authoritarian polity with a command-and-control economy to an electoral democracy with a mostly liberalized economy over the past three decades. Focuses on Mexico's political economy with an emphasis on its parties, voters, public opinion, and interest groups. Provides historical context and overviews the nation's most pressing policy challenges, including poverty, inequality, and the rule of law.

Cross-listed Courses

Economics 2328. The Emergence of Modern Economic Growth: A Comparative and Historical Analysis - (New Course)

[Foreign Cultures 48. The Cultural Revolution]

[Historical Study A-53. The Chinese Revolutionary Tradition]

[Historical Study A-73. The Political Development of Western Europe]

[Historical Study B-64. The Cuban Revolution, 1956-1971: A Self-Debate]

History 1466. Vichy France: Conference Course

[*History 2782. The Economic History of Latin America: Seminar]

Social Analysis 52. The Political Economy of Development

Primarily for Graduates

***Government 2105. Comparative Politics: Field Seminar**

Catalog Number: 0154

Timothy J. Colton and Jorge I. Domínguez

Half course (fall term). W., 2-4. EXAM GROUP: 7, 8

Surveys topics in comparative politics (both the developed and the developing world), including the rise of the modern state; institutions of government; interest mediation; democracy and authoritarianism; revolution; political parties; mass and elite political behavior; political economy.

Note: Preference given to FAS Government graduate students.

Government 2122. Civil Wars: Theory and Policy

Catalog Number: 0885

Monica D. Toft (Kennedy School)

Half course (fall term). Tu., Th., 10:10-11:30. EXAM GROUP: 12, 13

This course introduces students to the theoretical and comparative study of civil wars. The course aims to provide students with solid analytical and historical foundations and highlight the



policy dilemmas associated with civil wars.

Note: Open to junior and senior undergraduates with instructor's approval. Offered jointly with the Kennedy School as ISP-409. Meets at the Kennedy School.

Government 2128. Institutional Engineering in Divided Societies: Managing and Accommodating Difference - (New Course)

Catalog Number: 3020

Richard E. B. Simeon (University of Toronto)

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

A comparative examination of institutional and policy designs for the management and accommodation of ethno-cultural conflict in divided societies. We explore alternative strategies: from the institutionalization and empowerment of difference, to the transcendence and cross-cutting of difference.

[Government 2131. Comparative Politics of Latin America]

Catalog Number: 3337

Jorge I. Domínguez

Half course (fall term). Hours to be arranged.

Topics: historical paths, economic strategies, inflation and exchange rates, international explanations of domestic outcomes, authoritarian and democratic regimes, state institutions, the Roman Catholic Church, social movements, parties and party systems, and voters and voting behavior.

Note: Expected to be given in 2007–08.

Government 2143. Economic Approaches to the Study of Politics - (New Course)

Catalog Number: 4094

David Soskice (Duke University)

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

The course will cover Chapters 2, 3, 6, 7, 8, 13, 14, 15 and 16 of Persson and Tabellini, *Political Economics*, 2000, together with recent advances in bargaining theory and in coalition theory.

[Government 2148. Civil Society, West and East]

Catalog Number: 4675

Susan J. Pharr and Grzegorz Ekiert

Half course (fall term). Hours to be arranged.

Focusing in particular on European and Asian settings, the seminar examines debates over what civil society is, notions of public space and social capital, and the role of civil society in political transitions.

Note: Expected to be given in 2007–08.

***Government 2158. Political Institutions and Economic Policy**

Catalog Number: 6448 Enrollment: Limited to 16.

Kenneth A. Shepsle and Jeffrey Frieden

Half course (spring term). W., 12–2. EXAM GROUP: 5, 6

We explore the role of political institutions in the formation, implementation, and regulation of



economic policy. Theories from positive political theory and comparative and international political economy are examined and applied to substantive issue areas.

Government 2159. Social Justice and the Varieties of Capitalism - (New Course)

Catalog Number: 9889

Margarita Estevez-Abe and D. Glyn Morgan

Half course (fall term). Tu., 7–9 p.m. EXAM GROUP: 18

This course is both normative and empirical. It examines normative arguments for social justice and the institutional implications of those arguments.

***Government 2160. Politics and Economics**

Catalog Number: 7780 Enrollment: Limited to 15.

James E. Alt and Torben Iversen

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Covers the political economy of policymaking and institutional change. Readings include a mixture of foundational approaches and recent research, covering a variety of methodological perspectives. The topical emphasis is on democracy, accountability, inequality, redistribution, and growth.

[Government 2162. Perspectives on Political Economy]

Catalog Number: 1999

Robert H. Bates and Kenneth A. Shepsle

Half course (fall term). Hours to be arranged.

A microperspective on various topics in political economy. This year, the focus will be on demography (the size and composition of populations and the structure of the family); its impact and politics; and the impact of politics on it.

Note: Expected to be given in 2007–08.

Government 2163. The Problem of Money in Electoral Politics - (New Course)

Catalog Number: 3893

Alejandro A. Poire Romero

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

The course looks at the (mostly American) literature on campaign and party finance in comparative perspective, addressing the ways in which political funding might affect political representation and governance in both developed and newer democracies.

Government 2164. Topics in Comparative Political Economy - (New Course)

Catalog Number: 1389

Torben Iversen and David Soskice (Duke University)

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Examines new theories in comparative political economy with applications to advanced democracies, past and present. Topics include the politics of economic performance, inequality and redistribution, macroeconomic policies, and the economic origins of political institutions.

[Government 2169. Sexual Violence] - (New Course)

Catalog Number: 9132



Jens Meierhenrich

Half course (spring term). Hours to be arranged.

This seminar analyzes sexual violence (e.g., rape, sexual slavery, enforced sterilization) from a comparative and interdisciplinary perspective. The seminar aims to explain and understand variation among cases. Cases are drawn from countries engulfed in collective violence.

Note: Expected to be given in 2007–08.

[Government 2213. Comparative Politics of Post-Socialism]

Catalog Number: 6876

Timothy J. Colton and Grzegorz Ekiert

Half course (fall term). Hours to be arranged.

A research seminar designed to define an agenda for the comparative analysis of political developments among post-socialist systems. Emphasis placed on the formation of research proposals, methods of analysis, theory-building, and the presentation of comparative empirical research.

Note: Expected to be given in 2007–08.

[Government 2214. Government and Politics in the Post-Soviet States]

Catalog Number: 0922

Timothy J. Colton and Yoshiko M. Herrera

Half course (spring term). Hours to be arranged.

The collapse of the Soviet Union was followed by the formation of 15 independent states that manifest remarkable variation in political regimes, institutions, and policies. The course examines this variation and ways of explaining it.

Note: Expected to be given in 2008–09.

Government 2218. Topics in Russian Politics

Catalog Number: 0872

Timothy J. Colton

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

A research seminar on selected problems in the politics and government of post-Soviet Russia. Intended for students with some prior study of the subject.

Government 2221. Comparative Politics and the Middle East - (New Course)

Catalog Number: 7459

Emad Shahin (The American University in Cairo)

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

This course aims at equipping graduate students with the theoretical and empirical skills necessary to link the discipline of comparative politics to the Middle East as an area study.

Government 2227. The Politics and Economics of Africa - (New Course)

Catalog Number: 8307

Nahomi Ichino, Robert H. Bates, and James Robinson

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Examines social science research on the politics and political economy of Africa.



[Government 2262. Politics and Political Economy in Japan]

Catalog Number: 7446

Susan J. Pharr

Half course (fall term). Hours to be arranged.

Japanese politics and political economy in comparative perspective. Analyzes the: 1955 system and post-1993 changes; political economy debates; changing role of parties and bureaucracy; electoral system effects; social policy choices; and problems of marginality.

Note: Expected to be given in 2007–08. Open to qualified undergraduates.

Government 2284. Chinese Authors on Chinese Politics

Catalog Number: 7556

Roderick MacFarquhar

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An examination of how PRC authors have analyzed the politics of their country and comparisons with relevant Western accounts.

Note: Open to qualified undergraduates.

Prerequisite: A good reading knowledge of Chinese and previous course work on Chinese politics.

***Government 2285. Political Science and China**

Catalog Number: 1566

Elizabeth J. Perry

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

This graduate seminar gives students control over the secondary literature on Chinese politics, with special attention to competing theoretical and methodological approaches.

Note: Open only to graduate students who have taken the equivalent of an undergraduate course in Chinese politics.

***Government 2286. Research Seminar on Chinese Politics**

Catalog Number: 7361

Elizabeth J. Perry

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Focuses on primary sources for the study of Chinese politics: archives, documents, gazetteers, yearbooks, interviews, etc. Students write a major research paper, using primary sources.

Prerequisite: Government 2285 required.

American Government, Public Law and Administration

For Undergraduates and Graduates

Government 1300. The Politics of Congress

Catalog Number: 8868

David C. King (Kennedy School)

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

With crucial elections in November 2006, and with the Bush Administration's agenda now highly constrained, attention returns to the Congress. Government 1300 explores theories of



representation, the history of Congress, campaigns and elections, lobbying, institutional rules, committees, party leadership, and how Congress works with other institutions. Taught by the chair of Harvard's program for Newly Elected Members of Congress, Government 1300 will bring elements of the elections - and the subsequent 110th Congress - into the classroom.

Government 1352. Campaigns and Elections

Catalog Number: 5665

Mary Fitzgerald (James Madison University)

Half course (fall term). M., W., at 10. EXAM GROUP: 3

Examines US congressional, gubernatorial, and presidential campaigns and elections. Topics include campaign strategy, the role of political consultants, the role of political parties, along with the role of interest groups. Discussion of voters and voting behavior, media coverage and use of the media by candidates, negative advertising, polling, campaign finance, and electoral reform.

Government 1368. The Politics of American Education - (New Course)

Catalog Number: 8971

Paul E. Peterson

Half course (fall term). M., W., at 11. EXAM GROUP: 4

A comprehensive survey of the governmental institutions and political processes that shape education policy in the United States.

Government 1510. American Constitutional Law

Catalog Number: 0383

Richard H. Fallon

Half course (fall term). Tu., Th., 1-2:30, and a section to be arranged. EXAM GROUP: 15, 16

Provides an introduction to contemporary American constitutional law, with a principal focus on decisions by the Supreme Court of the US. Topics to be studied include freedom of speech and religion, guarantees of due process and equal protection, and the powers of Congress and the courts.

Government 1521. Bureaucratic Politics: Government, Economic, Social and Military Organizations - (New Course)

Catalog Number: 6271

Daniel P. Carpenter

Half course (fall term). Tu., Th., 1-2:30. EXAM GROUP: 15, 16

A theoretical and historical analysis of bureaucratic organizations in various domains of modern society, including military organizations, business corporations, non-profit organizations, regulatory agencies, executive departments, and religious organizations. Theories include institutional, transaction-cost, reputation-based, and cultural theories of formal organizations. Readings and cases will include the U.S. Army and other militaries, the business corporation in industrializing America and today, the FDA and the Forest Service, the Catholic Church, and police and educational organizations.

Government 1540. The American Presidency

Catalog Number: 4925



Roger B. Porter (Kennedy School)

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Course analyzes the development and modern practice of presidential leadership. Examines the institutional presidency, presidential selection, decision making, and the relationship of the presidency with the executive branch, Congress, courts, interest groups, the press and the public. Considers the political resources and constraints influencing the President's ability to provide leadership in the US political system.

Note: Offered jointly with the Kennedy School as PAL-115. Meets at FAS.

Government 1545. Gender and Representation in US Politics - (New Course)

Catalog Number: 1393

Mary Fitzgerald (James Madison University)

Half course (spring term). M., W., at 10. EXAM GROUP: 3

Examines contemporary issues related to gender and political representation in the US, with a comparative component. Topics include the history of gender disparities in political participation, theories surrounding political representation, and gender dynamics in electoral politics and government institutions. Investigates the relationship between gender and public policy, along with future expectations and realities surrounding political representation in the US.

***Government 1597. Advanced Topics in Health Policy - (New Course)**

Catalog Number: 2981 Enrollment: Limited to 20.

Daniel P. Carpenter

Half course (spring term). W., 6:30–8:30. EXAM GROUP: 9

Explores current issues in national and global health care policy. Topics have included: the politics of health care reform, the politics of special interests, pharmaceutical policy, comparative health systems, cost containment, global health, racial and ethnic disparities in care, quality measurement and improvement, income inequality and health, and organizational influences on care quality. A research paper will be required.

Prerequisite: General Education 186.

Cross-listed Courses

Moral Reasoning 74. The Theory and Practice of Republican Government

Social Analysis 54. American Society and Public Policy

Social Analysis 66. Race, Ethnicity, and Politics in the United States

Primarily for Graduates

***Government 2305. American Government and Politics: Field Seminar**

Catalog Number: 2305

Jennifer L. Hochschild and R. Shep Melnick

Half course (fall term). W., 10–12. EXAM GROUP: 3, 4

Designed to acquaint PhD candidates in Government with a variety of approaches that have proved useful in examining important topics in the study of American government and politics.



[Government 2310. Social Capital and Public Affairs: Research Seminar]

Catalog Number: 7051

Robert D. Putnam

Half course (spring term). Hours to be arranged.

Topics in the relationship between politics and civil society in the US.

Note: Expected to be given in 2007–08. Offered jointly with the Kennedy School as API-420.

Meets at the Kennedy School.

***Government 2319. Legislative and Popular Constitutionalism - (New Course)**

Catalog Number: 7472 Enrollment: Limited to 25.

Robert C. Post (Law School) and Reva B. Siegel (Law School)

Half course (fall term). Tu., 4–6. EXAM GROUP: 18

This seminar will study American constitutionalism as it is expressed in legislative and popular fora. We will survey the rapidly growing body of literature in law, political science, and history that explores the life of the Constitution outside the courts, and we will consider the relationship between judicial and extra-judicial constitutional interpretation. Paper required.

Note: Offered jointly with the Law School as 96825A. Meets at the Law School.

[Government 2332. Political Economy of Regulation]

Catalog Number: 4635

Daniel P. Carpenter

Half course (fall term). Hours to be arranged.

A theoretically driven examination of the role of market-government relations. We begin with several schools of regulation theory and then move to consider three different policy domains of federal regulation: energy and environmental, workplace and consumer safety, and pharmaceuticals/health.

Note: Expected to be given in 2008–09.

Government 2335. Power in American Society

Catalog Number: 2649

Jennifer L. Hochschild

Half course (spring term). M., 4–6. EXAM GROUP: 9

Considers theories of power in American political science and political theory; how to measure and use these theories to understand political stratification choices. Attention to race, gender, class, legal standing, policies, and institutional frameworks.

***Government 2340. Proseminar on Inequality and Social Policy II**

Catalog Number: 5491

Torben Iversen and Christopher Jencks (Kennedy School)

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Considers the effects of policies and institutions in creating or reducing inequality in the US and other advanced democracies, as well as the reciprocal effects of inequality on political activity and policy choices.

Note: Offered jointly with the Kennedy School as HLE-512. Meets at the Kennedy School.



[Government 2392. American Political Ideologies]

Catalog Number: 6079

Jennifer L. Hochschild

Half course (spring term). Hours to be arranged.

Combines American political thought and popular ideologies--canonical works (Federalist Papers, Tocqueville, Lincoln) are read for their explicit philosophy as well as assumptions about power and status. Also examines the social, economic, and political context of the writings.

Note: Expected to be given in 2007–08.

***Government 2485. Positive Political Theory and Public Law I: The Administrative State - (New Course)**

Catalog Number: 2193 Enrollment: Limited to 12.

Matthew C. Stephenson (Law School)

Half course (fall term). Th., 5–7 p.m. EXAM GROUP: 18

Examines applications of positive political theory (PPT) to law and politics in the administrative state. Topics covered include delegation authority to administrative agencies, political and judicial oversight, and the role of administrative procedures.

Note: Offered jointly with the Law School as LAW-44581A. Meets at the Law School.

Prerequisite: Preference given to students who intend to enroll in Government 2486.

***Government 2486. Positive Political Science and Public Law II: Research and Writing Workshop - (New Course)**

Catalog Number: 9517 Enrollment: Limited to 12.

Matthew C. Stephenson (Law School)

Half course (spring term). Th., 5–7 pm. EXAM GROUP: 18

This informal workshop is intended for students doing independent research on applications of positive political theory to law and politics in administrative state.

Note: Offered jointly with the Law School as LAW-44581A. Meets at the Law School.

Prerequisite: Preference given to students who enrolled in Government 2485.

***Government 2490. The Political Economy of the School**

Catalog Number: 3399

Paul E. Peterson

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Examination of political and economic influences on education policy and governance. Background in statistics expected.

Note: Limited enrollment. Permission of instructor required for all students who are not graduate degree candidates in the FAS Department of Government. Offered jointly with the Kennedy School as HLE-348. Meets at the Kennedy School.

Government 2500. Bureaucratic Politics and Behavior

Catalog Number: 8621

Daniel P. Carpenter

Half course (fall term). W., 4–6. EXAM GROUP: 9

A theoretically and empirically intensive examination of public bureaucracies in the US and other nations. Empirical issues include administrative behavior, bounded rationality, delegation,



hierarchy, organizational capacity, bureaucratic learning, redundancy, bureaucratic delay, and political influence.

Government 2515. Early Development of American Political Institutions and Organizations

Catalog Number: 5040

Daniel P. Carpenter

Half course (spring term). W., 4–6. EXAM GROUP: 9

An intensive examination of political institutions and organizations in the US from the Revolution to the Civil War, including the rise of state governments, the Constitution, mass parties, congressional committees, abolitionism, and fiscal centralization.

Cross-listed Courses

Government students interested in taking the following course must consult with the Director of Graduate Studies:

***Sociology 296a. Proseminar on Inequality and Social Policy I**

International Relations

For Undergraduates and Graduates

Government 1730. War and Politics

Catalog Number: 6806

Stephen P. Rosen

Half course (fall term). M., W., 2–4. EXAM GROUP: 7, 8

Explores the organized use of violence for the purposes of the state, with particular attention paid to the question of strategy and the sources of victory.

[Government 1740. International Law]

Catalog Number: 7406

Beth A. Simmons

Half course (fall term). Hours to be arranged.

An introduction to public international law for students of international relations. The primary purpose is to enhance students' understanding of the ways in which international law orders international politics. Emphasis is on the substantive rules of international law, the relationship between law and politics, and cases that illustrate the issues. Topics include international human rights law, international economic law and institutions, the use of force, war crimes, and terrorism.

Note: Expected to be given in 2007–08.

[Government 1760. International Relations of East Asia]

Catalog Number: 2733

Alastair Iain Johnston

Half course (fall term). Hours to be arranged.

Introduction to the historical, military, political, economic, and cultural features of interstate relations in East Asia and the Pacific. The course also presents some theoretical and



methodological tools for more systematic analysis of these issues. The goal is to understand changing levels of conflict and cooperation in the region.

Note: Expected to be given in 2007–08.

Government 1780. International Political Economy

Catalog Number: 0272

J. Lawrence Broz (University of California, San Diego)

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Analyzes the interaction of politics and economics in the international arena. Focuses on international trade, investment, monetary, and financial relations. Includes discussion of developed, developing, and formerly centrally-planned nations.

Note: This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.

Government 1805. North-South Relations - (New Course)

Catalog Number: 2060

Strom Thacker (Boston University)

Half course (fall term). Tu., Th., 5–6:30. EXAM GROUP: 18

This course analyzes the relations between the developed nations of the "North" and the developing nations of the "South." Addresses historical and current issues in North-South relations, including migration, drug trafficking, the environment, and economic development.

Government 1815. Religion and International Politics - (New Course)

Catalog Number: 9821

Rachel M. McCleary

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Students are introduced to major topics on religion and politics across societies. At the same time, students learn about social-science theories of religion. We look at the explanatory value of these theories for the interplay between religion and politics: institutions and structures, political parties, civil society and social movements, violence, and economic development. What influence does religion have on politics within and across societies? What effects do political factors have on religion?

[Government 1982. Chinese Foreign Policy, 1949–2000]

Catalog Number: 8908

Alastair Iain Johnston

Half course (fall term). Hours to be arranged.

Introduction to the descriptive history of China's international relations with special focus on different theoretical explanations for changes in foreign policy behavior (e.g. polarity, history, ideology, leadership, bureaucracy, among others).

Note: Expected to be given in 2008–09. No prior background in China or international relations theory required.

Cross-listed Courses



French 190. Albert Camus - (New Course)
Historical Study A-51. The Modern World Economy, 1873-2000
[Moral Reasoning 28. Ethics and International Relations]
Quantitative Reasoning 38. The Strategy of International Politics

Primarily for Graduates

***Government 2710. International Relations: Field Seminar**

Catalog Number: 8310

Bear F. Braumoeller and Beth A. Simmons

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

A survey of the field. Suitable for students preparing for general examinations.

Note: Limited to Government graduate students.

[*Government 2720. The Politics of International Monetary and Financial Relations]

Catalog Number: 5442

Jeffry Frieden

Half course (fall term). Hours to be arranged.

Covers two interrelated topics. The first is the political economy of international finance: sovereign lending, international banking, international financial integration. The second is the politics of international monetary relations: monetary regimes, inter-state monetary interactions, national macroeconomic policy.

Note: Expected to be given in 2007–08.

Government 2726. The Use of Force: Political and Moral Criteria

Catalog Number: 7160

J. Bryan Hehir (Kennedy School)

Half course (spring term). Hours to be arranged.

The course examines normative discourse about the use of force. Attention will be paid to the "Just War/Just Defense" ethic, and will assess the ethic in light of challenges to it, including current ones.

Note: KSG students have priority. Offered jointly with the Divinity School as 2853 and with the Kennedy School as ISP-340. Meets at the Kennedy School.

***Government 2733. Constructivism and International Relations Theory - (New Course)**

Catalog Number: 4645

Alastair Iain Johnston

Half course (fall term). Hours to be arranged.

An indepth examination of the foundational works in the 'constructivist turn', including readings on symbolic interactionism, sociological institutionalism, social psychology, and agent-based modeling

[*Government 2742. Statistics and Deadly Quarrels]

Catalog Number: 4314

Bear F. Braumoeller

Half course (fall term). Hours to be arranged.



Critical survey of statistical research on conflict and war.

Note: Expected to be given in 2007–08.

Prerequisite: Two terms of statistics or equivalent or permission of instructor.

[*Government 2744. Empirical Studies of International Politics]

Catalog Number: 3302

Bear F. Braumoeller

Half course (spring term). Hours to be arranged.

Course will expose students to how various kinds of statistical models have been used in security and IPE. Focus will be on the nature, assumptions, and appropriateness of models and interpretation of results.

Note: Expected to be given in 2007–08.

Prerequisite: First term statistics class or concurrent enrollment in same, or permission of instructor.

[Government 2755. International Political Economy]

Catalog Number: 7392

Beth A. Simmons

Half course (fall term). Hours to be arranged.

A graduate-level introduction to the theoretical and empirical literature on the political economy of international trade, monetary, regulatory, and investment policies.

Note: Expected to be given in 2008–09.

[*Government 2761. International Organization]

Catalog Number: 8442

Lisa L. Martin

Half course (spring term). Hours to be arranged.

International politics increasingly means institutionalized interaction among states. We examine the sources and effects of international institutions. It draws on institutional theories from many fields: international relations, American politics, economics. The purpose is to generate topics for research.

Note: Expected to be given in 2008–09.

Government 2782. State Failure and Civil War

Catalog Number: 0742

Robert H. Bates

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

The study of modern works on civil wars, terrorism, and state failure.

[Government 2785. Religion in Global Politics]

Catalog Number: 4773

Samuel P. Huntington and David Little (Divinity School)

Half course (spring term). Hours to be arranged.

The historical and contemporary roles of religious beliefs and religious organizations with respect to war and peace, civil conflict, national identities, legitimacy of governments, human rights, democracy, conflict management, conceptions of world order. Case studies.



Note: Expected to be given in 2007–08. Open to qualified undergraduates. Offered jointly with the Kennedy School as ISP-432 and with the Divinity School as 2816. Meets at FAS.

***Government 2790. Central Issues of American Foreign Policy**

Catalog Number: 3567

Graham T. Allison, Jr. (Kennedy School)

Half course (spring term). Hours to be arranged.

Examination of central issues of American foreign policy today. For each issue, analysis of the international environment, identification of specific policy options, consideration of pros and cons, reflection on processes for choice and action.

Note: Offered jointly with the Kennedy School as ISP-202. Meets at the Kennedy School.

[Government 2791. Comparative Foreign and Security Policy]

Catalog Number: 7696

Alastair Iain Johnston

Half course (fall term). Hours to be arranged.

Focus is on the theory, methods, and data used in the empirical analysis of the foreign security policies of states. Examines the sources of state preferences, the structural and domestic constraints on state action, and foreign policy change.

Note: Expected to be given in 2008–09.

Prerequisite: Prior training in international relations theory strongly recommended.

Government 2881. Mass Media, Public Opinion, and Foreign Policy - (New Course)

Catalog Number: 7305

Matthew Baum (Kennedy School)

Half course (spring term). Hours to be arranged.

This course investigates whether, how, and to what extent the mass media and public opinion interact with each other and with political leaders in order to influence the conduct of foreign policy.

Note: Offered jointly with the Kennedy School as PPP-306. Meets at the Kennedy School.

Government 2900. US–Latin American Relations

Catalog Number: 8020

Jorge I. Domínguez

Half course (fall term). W., 4–6. EXAM GROUP: 9

Studies US-Latin American political, military, and economic relations and Latin American international relations. Includes foreign policy decision making in the US and Latin America and alternative approaches to the study of the subject.

Graduate Courses of Reading and Research

***Government 3000. Reading and Research**

Catalog Number: 3391

James E. Alt 1593, Robert H. Bates 1251, Eric Beerbohm 5558, Bear F. Braumoeller 3330, Daniel P. Carpenter 4509, Timothy J. Colton 2269, Jorge I. Domínguez 3823, Grzegorz Ekiert 2718 (on leave 2006-07), Margarita Estevez-Abe 3565 (on leave spring term), Jeffry Frieden



1627 (on leave fall term), Claudine Gay 5485, Adam Glynn 5600, Peter A. Hall 7272, Yoshiko M. Herrera 1622, D. Sunshine Hillygus 4617, Michael J. Hiscox 4104 (on leave fall term), Jennifer L. Hochschild 3785, Stanley Hoffmann 1757, Samuel P. Huntington 1765 (on leave 2006-07), Nahomi Ichino 5316, Torben Iversen 1250, Alastair Iain Johnston 3213 (on leave spring term), Gary King 1723 (on leave 2006-07), Steven R. Levitsky 2395, Roderick MacFarquhar 7856 (on leave spring term), Harvey C. Mansfield 1731, Lisa L. Martin 1048, D. Glyn Morgan 2184, John W. Patty 4999, Elizabeth M. Penn 5000, Elizabeth J. Perry 3074, Paul E. Peterson 2114, Susan J. Pharr 1518, Robert D. Putnam 6193 (on leave 2006-07), James Robinson 5022, Michael E. Rosen 5610 (on leave spring term), Stephen P. Rosen 2721, Nancy Lipton Rosenblum 3786, Michael J. Sandel 7065 (on leave 2006-07), Kenneth A. Shepsle 1421, Beth A. Simmons 4487, Cindy Skach 3386 (on leave 2006-07), Theda Skocpol 1387, Dennis F. Thompson 1426, Richard Tuck 1704, Sidney Verba 4072, and Daniel F. Ziblatt 4641 (on leave 2007-08)

Note: Requires written work of sufficient quantity and quality so that the course is equivalent to a lecture course or a seminar. Students who want supervised reading without substantial written work should take TIME-C (catalog number 8899) instead.

***Government 3000a. Reading and Research Seminar**

Catalog Number: 4143

Members of the Department

Small seminar on special topics. May be arranged with faculty listed under Government 3000. Requires written work as does Government 3000, but also involves regular class meetings.

Research Workshops

All Department of Government graduate students who have passed generals are eligible to enroll in one of the following research workshops. Others may attend with permission of instructor.

***Government 3004. Research Workshop in American Politics**

Catalog Number: 8566

Claudine Gay 5485 and D. Sunshine Hillygus 4617

Full course (indivisible). Th., 2–4.

A forum for the presentation and discussion of research in progress by graduate students (second year and above), faculty, and visiting scholars. Anyone working on contemporary American politics or on US political development welcome. Occasional presentations by invited speakers.

***Government 3005b. Research Workshop in International Relations: New Approaches to Security Studies**

Catalog Number: 1016

Bear F. Braumoeller 3330, Alastair Iain Johnston 3213 (on leave spring term) (fall term only), and Stephen P. Rosen 2721

Full course (indivisible). Tu., 12–2.

Research workshop for advanced graduate students working on dissertation proposals in security studies.



***Government 3006. Research Workshop in Comparative Politics**

Catalog Number: 0910

Yoshiko M. Herrera 1622, Nahomi Ichino 5316, and Susan J. Pharr 1518

Full course (indivisible). W., 4–6.

The workshop offers advanced graduate students an opportunity to present their work-in-progress, benefit from critiques of it, and discuss theoretical and methodological issues.

Note: Doctoral students from other departments and faculties admitted if space permits.

***Government 3007. Research Workshop in Political Economy**

Catalog Number: 0968

Robert H. Bates 1251, John W. Patty 4999, Kenneth A. Shepsle 1421, and Beth A. Simmons 4487

Full course (indivisible). M., 12–2.

Intended for graduate students in the third year and above, this course welcomes scholarship of all types and on all aspects of political economy. Intended to provide a venue in which to develop and to debate work in progress.

***Government 3008. Research Workshop in Political Theory**

Catalog Number: 1704

Eric Beerbohm 5558 and Nancy Lipton Rosenblum 3786

Full course (indivisible). W., 12–2.

***Government 3009. Research Workshop in Applied Statistics**

Catalog Number: 8142

Alberto Abadie (Kennedy School) 5277, Garrett M. Fitzmaurice (Public Health) 4067, Lee Fleming (Business School) 3839, Jefferson M. Gill (University of California, Davis) 5562, Adam Glynn 5600, Guido W. Imbens 2671 (on leave spring term), Gary King 1723 (on leave 2006-07), Kevin M. Quinn 4737 (on leave 2006-07), James M. Robins (Public Health) 1492, Donald B. Rubin 7966 (on leave fall term), and Christopher Winship 3189

Full course (indivisible). W., 12–2.

A forum for graduate students, faculty, and visiting scholars to present and discuss work in progress. Features a tour of Harvard's statistical innovations and applications with weekly stops in different disciplines. Occasional presentations by invited speakers.

Health Policy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on the Doctor of Philosophy in Health Policy



Joseph P. Newhouse, John D. MacArthur Professor of Health Policy and Management (*Kennedy School, Medical School, Public Health*) (*Chair*)

Alyce S. Adams, Assistant Professor of Ambulatory Care and Prevention (*Medical School*)

Robert J. Blendon, Professor of Health Policy and Political Analysis (*Public Health, Kennedy School*)

David Bloom, Clarence James Gamble Professor of Economics and Demography (*Public Health*)

Allan M. Brandt, Professor of the History of Science (FAS) and Amalie Moses Kass Professor of the History of Medicine (*Medical School*)

Daniel P. Carpenter, Professor of Government

Michael Chernew, Professor of Health Care Policy (*Medical School*)

Nicholas A. Christakis, Professor of Sociology (*Medical School*)

Paul D. Cleary, Professor of Medical Sociology (*Medical School*)

David M. Cutler, Otto Eckstein Professor of Applied Economics and Dean for the Social Sciences

Norman Daniels, Mary B. Saltonstall Professor of Population Ethics and Professor of Ethics and Population Health (*Public Health*)

Amy C. Edmondson, Novartis Professor of Leadership and Management (*Business School*)

Einer R. Elhauge, Carroll and Milton Petrie Professor of Law (*Law School*)

Arnold M. Epstein, John H. Foster Professor of Health Policy and Management (*Public Health*) and Professor of Medicine and Health Care Policy (*Medical School*)

Erica M. Field, Assistant Professor of Economics (*on leave 2006-07*)

Richard G. Frank, Margaret T. Morris Professor of Health Economics (*Medical School*)

Guy S. Gazelle, Professor of Radiology (*Medical School*) and Professor in the Department of Health Policy and Management (*Public Health*)

Susanne J. Goldie, Professor of Health Decision Science (*Public Health*)

David C. Grabowski, Associate Professor in Health Economics (*Medical School*)

James K. Hammitt, Professor of Economics and Decision Sciences (*Public Health*)

Robert S. Huckman, MBA Class of 1958 Associate Professor of Business Administration (*Business School*)

Haiden A. Huskamp, Associate Professor of Health Economics (*Medical School*)

Nancy M. Kane, Professor of Management (*Public Health*)

Gary King, David Florence Professor of Government (*on leave 2006-07*)

Peter V. Marsden, Harvard College Professor and Professor of Sociology

Marie C. McCormick, Professor of Pediatrics (*Medical School*) and Sumner and Esther Feldberg Professor of Maternal and Child Health (*Public Health*)

Thomas G. McGuire, Professor of Health Economics (*Medical School*)

Barbara J. McNeil, Ridley Watts Professor of Health Care Policy and Professor of Radiology (*Medical School*)

Sharon-Lise T. Normand, Professor of Health Care Policy (*Medical School*) and Professor in the Department of Biostatistics (*Public Health*)

Gary Pisano, Harry E. Figgie, Jr. Professor of Business Administration (*Business School*)

Lisa A. Prosser, Assistant Professor of Ambulatory Care and Prevention (*Medical School*)

Meredith B. Rosenthal, Associate Professor of Health Economics and Policy (*Public Health*)

Donald B. Rubin, John L. Loeb Professor of Statistics (*on leave fall term*)

Joshua A. Salomon, Associate Professor of International Health (*Public Health*)



Stephen B. Soumerai, Professor of Ambulatory Care and Prevention (*Medical School*)
 David G. Stevenson, Assistant Professor of Health Policy (*Medical School*)
 B. Katherine Swartz, Professor of Health Policy and Economics (*Public Health*) (*Director of Graduate Studies*)
 Milton C. Weinstein, Henry J. Kaiser Professor of Health Policy and Management (*Public Health*) and Professor of Medicine (*Medical School*)
 Alan M. Zaslavsky, Professor of Health Care Policy (*Medical School*)
 Richard J. Zeckhauser, Frank Plumpton Ramsey Professor of Political Economy (*Kennedy School*)

I. Undergraduate Instruction in Health Policy

The Interfaculty Initiative in Health Policy offers support for the study of health policy by undergraduate students concentrating in all concentrations or committees. Students taking Government 91r should select the section on health policy. For information on this and for a copy of “*A Course Guide for Undergraduates Interested in Health Policy, Harvard University*” or “*The Blue Book*,” please visit the Health Policy website at www.fas.harvard.edu/~healthpl/Undergraduate/Undergraduate.htm or contact Joan Curhan, Administrative Director, Interfaculty Initiative in Health Policy at joan—curhan@harvard.edu.

Courses of Interest

[Economics 2460. Health Economics Workshop](#)
[General Education 186. Introduction to Health Care Policy](#)
[*General Education 187. The Quality of Health Care in America](#)
[*Government 91r. Supervised Reading and Research](#)
[Quantitative Reasoning 24. Health Economics and Policy]

II. Graduate Program in Health Policy

The PhD in Health Policy, awarded by the Faculty of Arts and Sciences, draws upon the resources of six faculties: the Faculty of Arts and Sciences, the School of Public Health, the Medical School, the John F. Kennedy School of Government, the Law School, and the Graduate School of Business Administration. This degree is intended primarily for students seeking teaching careers in institutes of higher learning and/or research careers in policy.

Students in the PhD Program in Health Policy choose a concentration and meet specific curriculum requirements in one of seven disciplines: decision sciences, economics, ethics, evaluative science and statistics, management, medical sociology, or political analysis. In addition to choosing a concentration, students specialize in one of five areas of policy interest: environmental health, health care services, international health, mental health, or public health.

Decision Sciences (Professor Milton C. Weinstein, Chair). Decision sciences are the collection of quantitative techniques that are used for decision making at the individual and collective level. They include decision analysis, cost-benefit and cost-effectiveness analysis, decision modeling,



and behavioral decision theory. The concentration in decision sciences prepares students for research careers that involve the application of these methods to health problems.

Economics (Professor Joseph P. Newhouse, Chair). The concentration in economics focuses on the economic behavior of individuals, providers, insurers, and federal, state, and local governments as their actions affect health and medical care. In addition to examining the literature on health economics, the training emphasizes microeconomic theory, econometrics, public finance, industrial organization, labor economics, and interactions with other disciplines, including clinical medicine. This concentration prepares students for research and teaching careers as health economists.

Ethics (Professor Norman Daniels, Chair). The ethics concentration integrates quantitative, qualitative, and normative approaches to the analysis of ethical issues in health policy and clinical practice. Increasingly, the investigation of ethical issues in medicine and health policy has not only drawn on normative ethics and political philosophy, but has included empirical research concerning attitudes and practices in clinical and broader institutional settings. A grasp of normative theories and tools is important because ethical principles and approaches are explicitly cited in the formulation of particular health policies at both the macro and micro level. Students in this track will focus on developing skills in a range of disciplines, with the goal of evaluating how ethical and socio-cultural values shape—and should shape—health policies as well as clinical and public health practices. Students with a strong background in ethics and political philosophy will have a chance to deepen that understanding and apply it to issues in health policy, while at the same time acquiring necessary quantitative skills. Students with degrees or training in related fields, such as law or medicine or public health, will acquire both normative and quantitative skills needed for research and teaching in ethics and health policy.

Research in health policy and ethics would include such topics as: policies for the allocation of scarce resources to individuals (e.g., human organs for transplantation, newly developed drugs, hospital beds) and across categories of patients (treatment vs. prevention for HIV/AIDS, or for HIV/AIDS vs. malaria); policies for care at the beginning and end of life; evaluation of informed consent protocols and their effectiveness; issues of equity in the evaluation of policies determining access to health services and the reduction of risk factors; policies responding to cross-cultural variation in ethical norms; ways in which health professionals are educated; policies regarding the balance between the individual and the collective (e.g., in bio-terrorism, epidemic control, etc.). While not abandoning the concerns of traditional work in bioethics, the program aims to produce students who are interested in the ethics of population health. All students in this track will develop core skills for the conduct of both normative analysis and empirical research in ethics.

Evaluative Science and Statistics (Professor Stephen Soumerai and Professor Alan M. Zaslavsky, Co-Chairs). Training in this concentration in health services and policy evaluation will enable students to evaluate the effects of a wide range of health services and policies (e.g., insurance, health care quality improvement, and cost-containment) on behaviors, access, processes and quality of care, health outcomes or costs. Students in this concentration will develop proficiency in experimental and quasi-experimental research design, statistics, other methodological approaches (e.g., epidemiology, program evaluation, qualitative methods, and survey design) and



relevant social sciences. Previous students in this track have used innovative methodological and statistical approaches to study, for example: the effects of drug coverage on access to essential medications in Medicare; the effects of employment on population health; international differences in outcomes of medical care for acute myocardial infarction; the health effects of HMO reductions and subsequent government increases in maternity lengths of stay; and effects of regulatory changes in legal drinking ages on health and mortality.

Management (Professor Amy C. Edmondson and Associate Professor Robert S. Huckman, Co-Chairs). The management concentration emphasizes the organizational, managerial, and strategic issues facing health care providers, payers, and other players in the health care market. Students will learn how theories and concepts from fields such as technology and operations management, organizational behavior, organizational economics, and competitive strategy can be applied to health care organizations. Areas of research include: the design and improvement of health care delivery processes, approaches for improving health care quality and productivity, development and adoption of new medical technologies, financial incentives in health care, new role of patients as consumers of health care, appropriate ownership and organizational structure of hospitals and other health care providers, and management of professional health care staff. Students will be required to take MBA, economic theory, and quantitative methods courses, as well as the Management and Markets course, at the Harvard Business School. We expect students completing this track to find jobs in academic and research institutions which have an interest in the impact of management on health care.

Medical Sociology (Professor Paul D. Cleary and Professor Peter V. Marsden, Co-Chairs). In this track, students will learn about and contribute to knowledge in several research areas that are extremely important to health policy, including the study of professions and professional behavior; the structure of health care organizations and systems; the impact of organizational and professional change on the structure of medical work; organizational improvement programs and their evaluations; evaluation of intervention programs; the diffusion of innovations across providers and organizations; and the behavior of patients and consumers—including consumer evaluations of health care quality and patient perspectives on the process and outcomes of care.

Political Analysis (Professor Robert J. Blendon, Chair). This concentration is intended for students who wish to do research on political behavior and its effect in the health field. Students will study theories of public opinion formation, voting behavior, legislative behavior, interest group influence, and political strategy as well as examine the role of both political institutions and the media on influencing health policy outcomes. The research methodologies most utilized in this track include survey research methods and quantitative statistical methods appropriate for large-scale databases. Graduates of this concentration will likely teach and do research on the politics of health care and will be involved with government, professional, and consumer groups on research projects related to the politics of public policy in the health field.

Applications: The application deadline is mid-December for admission in the following fall. To request admissions material, applicants should contact the Harvard University Graduate School of Arts and Sciences, Byerly Hall, 8 Garden Street, Cambridge, MA 02138, (617-495-5315), or visit the Graduate School of Arts and Sciences website at www.gsas.harvard.edu/admissions to apply on-line or to request an application. Important additional information on financial aid and



other aspects of the PhD Program in Health Policy are available from Joan P. Curhan, Director, PhD Program in Health Policy, 79 John F. Kennedy Street, Cambridge, MA 02138, email: joan—curhan@harvard.edu, telephone: (617-496-5412). Website: www.fas.harvard.edu/~healthpl

Health Policy Courses

Health Policy 2000. Core Course in Health Policy

Catalog Number: 4522

Richard G. Frank (Medical School), Joseph P. Newhouse (Kennedy School, Medical School, Public Health), and Alan M. Zaslavsky (Medical School)

Full course (indivisible). Tu., Th., 4–6. EXAM GROUP: 18

Topics include the financing and organization of health care, public health, political analysis, medical manpower, health law and ethics, technology assessment, prevention, mental health, long-term care, and quality of care.

Note: Required for doctoral candidates in Health Policy and open to others by permission of instructor. Offered jointly with the Kennedy School as HCP-597 and with the School of Public Health as HPM 246.

***Health Policy 3000. Doctoral Dissertation Research**

Catalog Number: 8422

Members of the Committee

Dissertation research.

***Health Policy 3002. Graduate Reading Course: Mental Health Policy**

Catalog Number: 3528

Richard G. Frank (Medical School) 1371

Participants discuss research on the politics surrounding health policy and examine how to apply existing work and methodological approaches to their own work.

***Health Policy 3010. Graduate Reading Course: Ethics**

Catalog Number: 9241

Norman Daniels (Public Health) 4722 and Allan M. Brandt 3031

This course examines issues in ethics and health policy, including a basic account of justice and health; ethical critique of maximization methodologies, including cost-effectiveness analysis; individual and social responsibility for health; and other topics.

***Health Policy 3020. Graduate Reading Course: Political Analysis**

Catalog Number: 3781

Robert J. Blendon (Public Health, Kennedy School) 2712

Participants present their own ongoing research on the politics surrounding health policy and discuss recent research drawn from various methodological approaches. Graduate students, faculty, and visiting scholars are welcome to present research at all stages.

***Health Policy 3030. Graduate Reading Course: Medical Sociology**

Catalog Number: 1826



Paul D. Cleary (Medical School) 2713, Peter V. Marsden 1797, and Thomas G. McGuire (Medical School) 4723

***Health Policy 3040hf. Research Seminar in Health Policy**

Catalog Number: 8870

B. Katherine Swartz (Public Health) 2461

Half course (throughout the year). Hours to be arranged.

***Health Policy 3050hf. Racial and Ethnic Disparities in Health Care Access and Outcomes**

Catalog Number: 9717

B. Katherine Swartz (Public Health) 2461, Robert J. Blendon (Public Health, Kennedy School)

2712, and David M. Cutler 2954

Half course (throughout the year). Hours to be arranged.

The seminar focuses on methodological issues connected to investigating reasons for racial and ethnic disparities in health care access and outcomes that have been observed in the US.

Note: Faculty and graduate students in the PhD programs in health policy, social policy, sociology, economics, and government are particularly encouraged to participate.

***Health Policy 3060. Graduate Reading Course: Decision Sciences**

Catalog Number: 2133

Milton C. Weinstein 3043

***Health Policy 3070. Graduate Reading Course: Economics**

Catalog Number: 7439

Joseph P. Newhouse (Kennedy School, Medical School, Public Health) 2425

***Health Policy 3080. Graduate Reading Course: Evaluative Science and Statistics**

Catalog Number: 9516

Alyce S. Adams (Medical School) 3926, Stephen B. Soumerai (Medical School) 1906, and Alan

M. Zaslavsky (Medical School) 1927

***Health Policy 3090. Graduate Reading Course: Management**

Catalog Number: 2492

Amy C. Edmondson (Business School) 4613 and Robert S. Huckman (Business School) 5234

Courses of Interest

***Economics 3460chf. Research in Health Economics**

History



AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of History

Andrew Gordon, Lee and Juliet Folger Fund Professor of History (*Chair*)
Emmanuel K. Akyeampong, Harvard College Professor and Professor of History and of African and African American Studies
David R. Armitage, Professor of History (*on leave 2006-07*)
Sven Beckert, Professor of History (*Director of Undergraduate Studies*)
David Blackburn, Coolidge Professor of History (*on leave fall term*)
Ann M. Blair, Henry Charles Lea Professor of History (*on leave fall term*)
Sugata Bose, Gardiner Professor of Oceanic History and Affairs (*Director of Graduate Studies*)
Vincent Brown, Assistant Professor of History
Elena I. Campbell, Lecturer on History
Joyce E. Chaplin, James Duncan Phillips Professor of Early American History (*on leave 2006-07*)
John H. Coatsworth, Monroe Gutman Professor of Latin American Affairs, Harvard College Professor (*on leave 2006-07*)
Lizabeth Cohen, Howard Mumford Jones Professor of American Studies
Nancy F. Cott, Jonathan Trumbull Professor of American History
Emma Dench, Professor of the Classics and of History
Caroline M. Elkins, Hugh K. Foster Associate Professor of African Studies (*on leave 2006-07*)
Drew Gilpin Faust, Lincoln Professor of History and President of Harvard University
Niall Ferguson, Laurence A. Tisch Professor of History (*FAS*) and Professor of Business Administration (*Business School*)
Alison F. Frank, Assistant Professor of History
Heidi Gengenbach, Lecturer on History, Contin Ed/Spec Prog Instructor
Peter E. Gordon, Professor of History
James Hankins, Professor of History (*on leave 2006-07*)
Henrietta Harrison, Professor of History
Evelyn Brooks Higginbotham, Victor S. Thomas Professor of History and of African and African American Studies
Patrice Higonnet, Robert Walton Goelet Professor of French History
Walter Johnson, Professor of History
Christopher P. Jones, George Martin Lane Professor of the Classics and of History
Cemal Kafadar, Vehbi Koc Professor of Turkish Studies
Edward L. Keenan, Andrew W. Mellon Professor of History
William C. Kirby, Edith and Benjamin Geisinger Professor of History
Mark A. Kishlansky, Frank B. Baird, Jr. Professor of History
James T. Kloppenberg, David Woods Kemper '41 Professor of American History, Harvard College Professor (*on leave 2006-07*)
Philip A. Kuhn, Francis Lee Higginson Professor of History and of East Asian Languages and Civilizations, Emeritus (*on leave fall term*)
Angeliki E. Laiou, Dumbarton Oaks Professor of Byzantine History
Jill M. Lepore, Professor of History
Mary D. Lewis, John L. Loeb Associate Professor of the Social Sciences



Malinda Maynor Lowery, Assistant Professor of History (*on leave 2007-08*)
 Charles S. Maier, Leverett Saltonstall Professor of History (*on leave spring term*)
 Erez Manela, Assistant Professor of History
 Terry D. Martin, George F. Baker III Professor of Russian Studies
 Kenneth R. Maxwell, Visiting Professor of History
 Ernest R. May, Charles Warren Professor of American History
 Michael McCormick, Francis Goelet Professor of Medieval History
 Lisa M. McGirr, Dunwalke Associate Professor of American History
 Roy Mottahedeh, Gurney Professor of History
 Afsaneh Najmabadi, Professor of History and of Studies of Women, Gender, and Sexuality (*on leave fall term*)
 Susan E. O'Donovan, Associate Professor of African and African American Studies and of History (*on leave 2006-07*)
 E. Roger Owen, A. J. Meyer Professor of Middle East History
 Steven Ozment, McLean Professor of Ancient and Modern History
 Uta G. Poiger, Visiting Associate Professor of History and of History and Literature (*University of Washington*)
 Emma Rothschild, Professor of History
 Daniel L. Smail, Professor of History
 Scott A. Sowerby, Lecturer on History and Literature
 Rachel St. John, Assistant Professor of History
 Judith Surkis, Associate Professor of History and of History and Literature (*on leave fall term*)
 Hue-Tam Ho Tai, Kenneth T. Young Professor of Sino-Vietnamese History
 Stephan Thernstrom, Winthrop Professor of History
 Laurel Thatcher Ulrich, 300th Anniversary University Professor
 John Womack, Jr., Robert Woods Bliss Professor of Latin American History and Economics
 Daqing Yang, Edwin O. Reischauer Visiting Associate Professor of Japanese Studies (*George Washington University*) (*fall term only*)
 Bradley S. Zakarin, Lecturer on History

Other Faculty Offering Instruction in the Department of History

Mikael Adolphson, Associate Professor of Japanese History
 Bernard Bailyn, Adams University Professor, Emeritus and James Duncan Phillips Professor of Early American History, Emeritus
 Thomas N. Bisson, Henry Charles Lea Professor of Medieval History, Emeritus
 Peter K. Bol, Charles H. Carswell Professor of East Asian Languages and Civilizations (*on leave fall term*)
 Harold Bolitho, Professor of Japanese History (*on leave spring term*)
 Kathleen M. Coleman, Harvard College Professor and Professor of Latin
 Albert M. Craig, Harvard-Yenching Professor of History, Emeritus
 Christine Desan, Professor of Law (*Law School*)
 Charles Donahue, Jr., Paul A. Freund Professor of Law (*Law School*)
 Carter J. Eckert, Yoon Se Young Professor of Korean History
 Mark C. Elliott, Mark Schwartz Professor of Chinese and Inner Asian History
 William L. Fash, Bowditch Professor of Central American and Mexican Archaeology and



Ethnology

Franco Fido, Carl A. Pescosolido Professor of Romance Languages and Literatures, Emeritus

Donald Fleming, Jonathan Trumbull Professor of American History, Emeritus

Ivan Gaskell, Senior Lecturer on History

David D. Hall, John A. Bartlett Professor of New England Church History (*Divinity School*)

Jay M. Harris, Harry Austryn Wolfson Professor of Jewish Studies

Stanley Hoffmann, Paul and Catherine Buttenwieser University Professor

Morton J. Horwitz, Charles Warren Professor of American Legal History (*Law School*) (*on leave spring term*)

Akira Iriye, Charles Warren Professor of American History, Emeritus, Charles Warren Research Professor of American History

Geoffrey Jones, Professor of Business Administration (*Business School*)

Alexander Keyssar, Matthew W. Stirling, Jr. Professor of History and Social Policy (*Kennedy School*)

Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology in the Faculty of Arts and Sciences and Professor of Medical Anthropology in the Faculty of Medicine

Ellen Condliffe Lagemann, Charles Warren Professor of the History of American Education (*School of Education*)

Elisabeth L. Laskin, Lecturer on History

Nino Luraghi, Professor of the Classics (*on leave fall term*)

Thomas K. McCraw, Isidor Straus Professor of Business History (*Business School*)

John E. Murdoch, Professor of the History of Science

Robert A. Orsi, Charles Warren Professor of History of Religion in America (*Divinity School*)

Orlando Patterson, John Cowles Professor of Sociology (*on leave fall term*)

Richard Pipes, Frank B. Baird, Jr., Professor of History, Emeritus

Michael J. Puett, Professor of Chinese History

James Robinson, Professor of Government

Bernard Septimus, Jacob E. Safra Professor of Jewish History and Sephardic Civilization

Roman Szporluk, Mykhailo S. Hrushevs'kyi Research Professor of Ukrainian History

Henri Zerner, Professor of History of Art and Architecture (*on leave 2006-07*)

Courses numbered 10–999 are Primarily for Undergraduates; courses numbered 1000–1999 are for Undergraduates and Graduates. These are distributed as follows:

1050–1099 Ancient History

1101–1299 Medieval and Renaissance History

1300–1599 Early and Modern Europe

1600–1699 United States

1700–1799 Latin America

1800–1930 Asia, Africa and Australasia



1931–3910 Historiography, Methodology, Global, and Comparative

Courses numbered 2000 and over are Primarily for Graduates. They are distributed as above, but stepped up by 1000. Courses designated as “Primarily for Graduates” may, with the permission of the instructor, be taken by senior History concentrators who are candidates for honors.

Directed Study for Undergraduates

The Department makes available, so far as its resources permit, opportunity for individual instruction in fields of special interest in which a regular course is not offered.

***History 91r. Supervised Reading and Research**

Catalog Number: 1458

Sven Beckert and members of the department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Limited to juniors and seniors. Students wishing to enroll must petition the Head Tutor for approval, stating the proposed project, and must have the consent of the proposed instructor. Ordinarily, students are required to have taken some course work as background for their project.

Tutorials in History***History 97. Sophomore Tutorial**

Catalog Number: 4469

Mark A. Kishlansky, Lisa M. McGirr, and Laurel Thatcher Ulrich

Half course (fall term). Hours to be arranged.

Introduction to the ways in which historians recreate the past. Students will read prototypes of historical genres and write their own histories in alternating sessions. Discussion sections and small tutorials.

Note: Required of, and limited to, all History concentrators in the fall term of their sophomore year.

***History 98. Honors Research Seminar**

Catalog Number: 3556

Henrietta Harrison, Vincent Brown, and Scott A. Sowerby

Half course (fall term; repeated spring term). Hours to be arranged.

Methods of historical research and writing.

Note: Required of, and ordinarily limited to, honors juniors concentrating in History. Must be taken in the fall unless approved by the Head Tutor for the spring term.

Prerequisite: Admission to the honors program in History.

***History 99. Tutorial — Senior Year**

Catalog Number: 5803

Bradley S. Zakarin, Scott A. Sowerby and members of the department

Full course. Hours to be arranged.

Research and writing the senior honors essay in History.

Note: Required of, and ordinarily limited to, honors seniors concentrating in History. Permission must be obtained in the Tutorial Office. Either half year may be taken as a half course with the



consent of the Head Tutor.

Prerequisite: History 98 and recommendation of the 98 tutor.

History 90. Historiography Seminars

These half courses are required of all History concentrators, who ordinarily take one in the spring of their sophomore year. These courses are usually limited to 15 participants. Other undergraduates may be admitted into History 90 at the discretion of the instructor. History 90 is closed to graduate students.

[History 90a. Major Themes in Medieval History]

Catalog Number: 0708

Half course (spring term). Hours to be arranged.

This course is designed to introduce students to major themes of medieval European history and historiography. Each class will address a particular kind of primary source; through secondary readings, we will explore how scholars have used those sources in writing works of history.

Note: Expected to be given in 2007–08.

***History 90b. Thought and Culture in the European Renaissance and Reformation**

Catalog Number: 1833

Ann M. Blair

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

In what sense, if any, were the centuries between 1300 and 1600 a period of transition from medieval to modern times? Eight scholarly debates pertinent to answering this question are addressed: the crisis of the late Middle Ages; church and state; the Renaissance of the Italian humanists; prophecy, heresy, and dissent; popular culture, sex, marriage, and family life; witches and witch hunts; and the Reformation and Counter Reformation.

***History 90c. Major Themes in Modern European History**

Catalog Number: 5303

Mary D. Lewis

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Examines trends in the historiography of modern Europe. Organized around the place occupied by the "nation" in European history. Explores how historians have interpreted "nation-building" and nationalism; considers impact of this on the practice of history itself. Our inquiry, while focused on the "nation", will also engage debates on the French Revolution, liberalism, the 1848 revolutions, the role of the "state", social history, imperialism, comparative history, and the so-called waning of the nation state.

***History 90d. Intellectual History**

Catalog Number: 4955

Peter E. Gordon

Half course (spring term). Hours to be arranged. EXAM GROUP: 5, 6

An introduction to the methods of intellectual history, drawing primarily on sources from early



modern and modern Europe. Designed for sophomores concentrating in History, though students with similar preparation and needs may be admitted with instructor's permission.

***History 90e. Major Themes in American Historical Writing**

Catalog Number: 4577

Jill M. Lepore and Malinda Maynor Lowery

Half course (spring term). Hours to be arranged. EXAM GROUP: 15, 16

An examination of critical themes in American historical writing from the late 17th century to the present. Students will read selections from classics in American historiography and will examine debates among historians on some of the most important issues in US history. Among the themes explored will be the origins of the American Revolution, the frontier, slavery, immigration, and the Cold War.

***History 90f. International History**

Catalog Number: 4422

Ernest R. May

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Major themes in modern international history.

***History 90g. Major Themes in Comparative History**

Catalog Number: 0119

Hue-Tam Ho Tai

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

A general introduction to theories of imperialism, nationalism, and post-colonialism. Case studies to include Africa, Asia, and Latin America. Will combine the study of theory with examination of particular anti-colonial and anti-imperialist movements.

[*History 90i. Major Themes in Ancient History]

Catalog Number: 4922 Enrollment: Limited to 18.

Half course (spring term). Hours to be arranged.

An overview of some of the major issues in Greco-Roman history, with special attention given to the methodologies of the ancient historian.

Note: Expected to be given in 2007–08.

Introductory Courses

Primarily for Undergraduates

History 10a. Western Societies, Politics, and Cultures: From Antiquity to 1650

Catalog Number: 0213

Christopher P. Jones, Angeliki E. Laiou, and Steven Ozment

Half course (fall term). Tu., Th., at 11, plus third hour to be arranged. EXAM GROUP: 13

A survey of Mediterranean and West European societies from Greco-Roman antiquity to the Scientific Revolution.



Note: Required of all history concentrators. This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.

History 10b. Western Economies, Societies, and Politics: From 1648 to the Present

Catalog Number: 0262

David Blackbourn

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Second half of a survey of European history, from the aftermath of the Thirty Years War to the aftermath of the Cold War. Also treats some parts of Asian, American and African history as other continents were affected by European expansion. Topics include agricultural, commercial and industrial development; demographic change and social stratification; mass migration, trade and globalization; religion and political ideology; monarchies, republics and empires; revolutions, wars and international orders.

Note: Required of all history concentrators. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

[History 10c. A Global History of Modern Times]

Catalog Number: 1925

Charles S. Maier

Half course (spring term). Hours to be arranged.

A history of world societies from the end of the 18th century until the present. Covers such transnational forces as demographic change, religious revivals, and technological and economic development; comparative political transformations, such as the impact of revolutionary ideologies on rural and urban life; and the interactions between different global regions, whether as a consequence of imperialism and war, economic trade and investment, or cultural diffusion.

Note: Expected to be given in 2007–08.

[History 20a. Western Intellectual History: Greco-Roman Antiquity]

Catalog Number: 6308

James Hankins

Half course (fall term). Hours to be arranged.

A survey of major themes in the intellectual history of the Greek and Roman World, with special attention to metaphysics, psychology, epistemology, ethics, politics, and the philosophic life.

Readings in the Presocratics, Plato, Aristotle, Lucretius, Epictetus, Cicero, Seneca, Marcus Aurelius, Plotinus, Augustine, and Boethius.

Note: Expected to be given in 2007–08.

[History 20b. Western Intellectual History: The Middle Ages to the Seventeenth Century]

Catalog Number: 7573

James Hankins

Half course (spring term). Hours to be arranged.

A survey of major themes in medieval and early modern intellectual history. Readings in Anselm, Abelard, Thomas Aquinas, William of Ockham, Petrarch, Machiavelli, Thomas More, Martin Luther, Montaigne, Francis Bacon, Descartes, Hobbes.

Note: Expected to be given in 2007–08.



Ancient History

For Undergraduates and Graduates

See also Classical Archaeology 180 and 181.

***History 1051. Roman Imperialism: Conference Course - (New Course)**

Catalog Number: 0336 Enrollment: Limited to 15.

Emma Dench

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Whether regarded as a model for European empires or as a precursor of western colonialism and globalization, Roman imperial expansion has captured both popular and scholarly imaginations. We proceed thematically, analyzing a variety of textual and material evidence for the changing nature of Roman imperialism between the mid-Republican and early imperial periods, and its impact on the politics, culture, religion, and society of Roman and local communities alike.

History 1085. The Roman Empire, Augustus to Constantine

Catalog Number: 3109

Christopher P. Jones

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

The Roman Empire from its foundation by Augustus to the death of Constantine; its social, political, and military development; its institutions (emperor, senate, army); Roman imperial art and coinage; Greek and Roman literature of the imperial period; religious developments, including Judaism and Christianity under Roman rule; women and minorities. Sections will focus on issues of particular interest and on the study of primary documents. No knowledge of ancient languages required.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.

Cross-listed Courses

[Historical Study B-09. The Christian Revolution]

Primarily for Graduates

[History 2051. Ethnic Identities in Classical Antiquity: Seminar]

Catalog Number: 0006

Half course (fall term). Hours to be arranged.

Explores questions of what it meant to be Greek, Athenian, Roman, Jewish, or Etruscan in classical antiquity, in what contexts were identities articulated, and how were relationships between selves and others imagined and played out.

Note: Expected to be given in 2007–08.

Medieval and Renaissance History

For Undergraduates and Graduates



See also Committee on Medieval Studies. Students are also directed to Divinity School courses.

[History 1101. Medieval Europe]

Catalog Number: 4278

Michael McCormick

Half course (spring term). Hours to be arranged.

This course will examine the emergence of medieval civilization from the ruins of the ancient world, and the evolution of that civilization into modern Europe. Themes include: the fall of Rome, the spread of Christianity, the rise and fall of Byzantium, the challenge of Islam, the Vikings, the Crusades, commerce and agriculture, the Feudal Revolution, the Twelfth Century Renaissance, spirituality and persecution, the origins of law and government, the Black Death, and the Italian Renaissance.

Note: Expected to be given in 2007–08. Given in alternate years. Students prepared to pursue special topics can be accommodated.

History 1111. The Fall of the Roman Empire

Catalog Number: 6019

Michael McCormick

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

Uses the latest results of archaeology, written sources, and the natural sciences to study the changes, violent or subtle, that transformed the Roman world to produce medieval civilization between ca. 300 and 700. Topics include Constantine's conversion, economic recovery and collapse, the barbarians, women and power, pandemic disease; emphasizes reading of ancient sources in translation.

History 1121. Vengeance, Hatred, and Law in Premodern Europe - (New Course)

Catalog Number: 7743

Daniel L. Smail

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

Will explore the great transformation in European legal habits that took place between 500 and 1600, as family-based forms of law, vengeance, and regulation gave way to royal, municipal, and ecclesiastical justice. Topics include the bloodfeud, the judicial ordeal, and judicial torture. The course is designed to raise ethical and substantive issues that are relevant to an understanding of the function of law and justice in the modern world.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.

History 1122. Persons and Things in Medieval Europe - (New Course)

Catalog Number: 9657

Daniel L. Smail

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Will explore certain styles of thinking and forms of behavior that governed everyday life in medieval Europe. Major topics will include forms of identity, including kinship and gender, manners and clothing fashions, forms of exchange, and patterns of mobility.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.



History 1150. The Jews in Muslim and Christian Spain

Catalog Number: 5331

Bernard Septimus

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

A study of the political, social, and cultural history of the Hispano-Jewish community from the Muslim conquest of Spain in 711 to the expulsion of the Jews from Christian Spain in 1492. Emphasis on literary and intellectual developments and on the complex relationship of the Jews to Iberian Christendom and Islam. Combines material from former courses History 1151 and 1152.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.

[History 1158. The Mediterranean in the Late Middle Ages, 1204-1500: Conference Course]

Catalog Number: 2711

Angeliki E. Laiou

Half course (spring term). Hours to be arranged.

Examines the economic, social, and political developments in the Mediterranean basin during a critical period. Investigates patterns of economic dominance, trade patterns, forms of colonization, the function of the merchant groups in Venetian, Genoese, Byzantine, and Muslim societies. The development of shipping, maps, and financial and commercial techniques is discussed; travel, war, and politics are also examined in their relation to economic and social developments.

Note: Expected to be given in 2007–08.

History 1166. Family, Sex, and Marriage in Western Europe, East and West in the Medieval and Early Modern Period: Conference Course

Catalog Number: 2725

Steven Ozment and Angeliki E. Laiou

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Reading and discussion of major sources and studies illustrative of the development of family life in the Byzantine Empire and in medieval and early modern Western Europe, in a comparative perspective. Attention will be given to important historiographical controversies and to a variety of national traditions.

[History 1212. The Imperial System: Byzantine Society and Civilization, 8thc.-1204: Conference Course]

Catalog Number: 6078

Angeliki E. Laiou

Half course (spring term). Hours to be arranged.

An examination of Byzantine society from the time of the Iconoclastic controversy until the conquest of Constantinople by the participants of the Fourth Crusade. Topics will include state ideology and diplomacy, social structure, the formation of the aristocracy, the economy, urban and rural life, the role of women, relations with Western Europe and the Muslim world, art and culture. Considerable emphasis will be given to primary sources (in translation).

Note: Expected to be given in 2007–08.



Cross-listed Courses

[Celtic 107. Early Irish History]

[Historical Study A-40. The Middle East and Europe since the Crusades: Relations and Perceptions]

[Historical Study B-19. The Renaissance in Florence]

[Medieval Studies 101. The Auxiliary Disciplines of Medieval History: Proseminar](#)

[Medieval Studies 117. Constitutional and Legal History of Medieval England](#)

[Medieval Studies 119. Constitutional and Legal History of Medieval Continental Europe]

Primarily for Graduates

[*History 2101. Medieval Societies and Cultures: Proseminar]

Catalog Number: 6693

Daniel L. Smail

Half course (fall term). Hours to be arranged.

Introduction to the study of medieval history, and to the literature basic to the examination field. Stress on the values (and limitations) of older institutionalist scholarship and on the challenges of *annaliste* and theoretically informed approaches.

Note: Expected to be given in 2008–09. May not ordinarily be credited as one of the research seminars required in the first-year program.

Prerequisite: Reading knowledge of French and/or German.

[*History 2120. Problems in Byzantine History: Proseminar](#)

Catalog Number: 9720

Angeliki E. Laiou

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Graduate colloquium for students preparing for general examinations in Byzantine history. Focus on major issues and historiographical debates, 4th–12th century.

Note: May not be credited as a research seminar.

Prerequisite: Reading knowledge of French or German.

[History 2122. Early Medieval History: Seminar: Communications in the Early Medieval Mediterranean]

Catalog Number: 5011

Michael McCormick

Half course (spring term). Hours to be arranged.

Communications, travel, and commerce in the early medieval Mediterranean. Meetings will include close philological and historical analysis of relevant Latin sources, and research papers by participants.

Note: Expected to be given in 2007–08.

Prerequisite: Latin, with either German or French, is required. Normally History 2101 and or MS 101.

[History 2125. Problems in High and Late Medieval History: Seminar - \(New Course\)](#)

Catalog Number: 1874



Daniel L. Smail

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

This course is designed to introduce graduate students to the sources and methodologies necessary to conduct research on medieval Europe.

History 2126. Medieval Law

Catalog Number: 3140

Charles Donahue, Jr. (Law School)

Half course (spring term). Tu., 4:45–6:45. EXAM GROUP: 18

Readings focused alternately on English legal tradition and on the Roman-canonical tradition. Short papers analyzing texts will be required but not a research paper. Topics for 2006-07: the English legal tradition.

Prerequisite: Some Latin required.

[History 2271r. Topics in Byzantine History: Seminar]

Catalog Number: 3868

Angeliki E. Laiou

Half course (fall term). Hours to be arranged.

Topic to be announced.

Note: Expected to be given in 2007–08.

Prerequisite: Reading knowledge of Greek, Ancient or Medieval, French and/or German.

Early and Modern Europe

For Undergraduates and Graduates

[History 1318. History of the Book and of Reading]

Catalog Number: 7410

Ann M. Blair

Half course (spring term). Hours to be arranged.

An introduction to the cultural history of the book and its functions as both material object and text. Major themes include the techniques of book production, authorship, popular and learned readership, libraries and censorship, with a focus on printing and developments in early modern Europe, 16th-18th centuries.

Note: Expected to be given in 2008–09.

***History 1336. The Reign of Charles I: Conference Course**

Catalog Number: 1531 Enrollment: Limited to 12.

Mark A. Kishlansky

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

An examination of the Stuart monarchy during its most tempestuous period. Topics include court culture, religion, and the Constitution. Readings focus on the rich primary literature of the age. Original research required.

[History 1411. The History of Economic Thought Since 1750: Conference Course] - (New Course)



Catalog Number: 5927 Enrollment: Limited to 15.

Emma Rothschild

Half course (fall term). Hours to be arranged.

Examines the history of various kinds of economic thought, looking at early laissez-faire political economy (including David Hume, A.R.J. Turgot, Adam Smith), and at late 19th century political economists and their critics (including Carl Menger and Beatrice Webb). Will emphasize writings about long-distance of global connections, in various media from scientific theories to the economic press. Students will prepare individual research projects.

Note: Expected to be given in 2007–08.

History 1418. Political Justice Since 1789: Conference Course

Catalog Number: 3904

Charles S. Maier

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Examines selected trials and debates, and some comparative and theoretical material, to open up key problems in recent history as well as general legal and moral issues.

[History 1443. Peter Paul Rubens (1577-1640), Scholar, Diplomat, Artist: Conference Course]

Catalog Number: 4061 Enrollment: Limited to 12.

Ivan Gaskell

Half course (fall term). Hours to be arranged.

An investigation of how 21st-century responses to artworks by Rubens may relate to the development of historical understanding. Examines the tensions between the specificity of Rubens's artworks and other actions, and broader patterns and conventions of behavior in art, politics, and the western European social fabric more generally in the first half of the 17th century. Will examine artworks associated with Rubens's paintings, drawings, prints, illustrated books in Harvard and Boston collections.

Note: Expected to be given in 2007–08.

[History 1444. John Locke: Conference Course]

Catalog Number: 6655 Enrollment: Limited to 15.

David R. Armitage

Half course (spring term). Hours to be arranged.

A comprehensive survey of the work of the philosopher and political theorist John Locke in historical context. Treats major works including the "Essay Concerning Human Understanding," the "Two Treatises of Government," "A Letter Concerning Toleration," "Some Thoughts Concerning Education," and "The Reasonableness of Christianity."

Note: Expected to be given in 2007–08.

***History 1446. Fin-de-Siècle Vienna: Conference Course**

Catalog Number: 1471 Enrollment: Limited to 15.

Alison F. Frank

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Explores the history of the political, social, and cultural center of the largest continental European Empire in modern history, and one of the birthplaces of European modernism. From



the 1880s through WWI and into the early years of the Republic of Austria, the course examines not only Vienna's intellectual vitality, but also the social and ideological divisions underlying the human catastrophes of World War and genocide in the twentieth century.

History 1449. Nationalism and Socialism in 20th-Century Central Europe - (New Course)

Catalog Number: 5125

Alison F. Frank

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

Introduction to theoretical literature concerning nationalism and socialism and to the history of the states of Central and Eastern Europe formed in the aftermath of WWI. Wedged between Germany and the USSR, the fledgling states of Central Europe struggled to balance nationalism and socialism as competing ways of interpreting the world and as programs for changing it. Their successes and failures will be placed in the context of the legacy of the Habsburg Empire.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

History 1450. France 1500-1715

Catalog Number: 7575

Ann M. Blair

Half course (spring term). M., W., (F.), at 11; M., at 12; W., at 12; W., at 4. EXAM GROUP: 4

A general survey of the history and historiography of early modern France ca. 1500-1715, with a special emphasis on topics in cultural history, including: humanism and printing; Protestantism; political thought; royal and court rituals; and the beginnings of the Enlightenment. Assigned readings from Rabelais, Montaigne, Pascal, Racine, and Voltaire among the primary sources; from Fernand Braudel, Natalie Davis, Robert Darnton among the secondary sources.

Note: All assignments in English. An optional extra French-language reading section will be arranged in case of interest.

[History 1451. The History of France from Louis XIV to Charles deGaulle]

Catalog Number: 6683

Patrice Higonnet

Half course (fall term). Hours to be arranged.

The history of France from the French Revolution to Charles deGaulle.

Note: Expected to be given in 2007–08.

[History 1454. French Social Thought from Rousseau to Foucault and Beyond]

Catalog Number: 4665

Judith Surkis

Half course (fall term). Hours to be arranged.

Examines traditions and trends in French social thought as dialogues between thinkers and between thinkers and their historical contexts. Examines the “schools” of liberalism, conservatism, republicanism, socialism, existentialism, structuralism, Marxism, feminism, and anti-colonialism. Readings from Rousseau, de Maistre, Saint-Simon and the Saint-Simoniennes, Michelet, Tocqueville, Comte, Durkheim, Mauss, Kojeve, Bataille, Canguilhem, Levi-Strauss, Sartre, de Beauvoir, Fanon, Lyotard, Althusser, Foucault, and Bourdieu.

Note: Expected to be given in 2008–09.



History 1456. Central Europe, 1789-1918

Catalog Number: 3736

Alison F. Frank

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

Examines the development of nationalism and socialism as ideologies intended to shape the identities, public and private behavior, and political activities of subjects of the continental European empires in the long nineteenth century. Primary focus will be on the Habsburg Empire, with attention paid to other German-speaking lands and to the western territories of the Russian Empire (especially Poland).

[History 1459. Gender and Sexuality in Modern Europe: Conference Course]

Catalog Number: 1562

Judith Surkis

Half course (spring term). Hours to be arranged.

Examines the social organization and cultural construction of gender and sexuality in modern Europe from 1789. Major focus on France, Britain, and German-speaking countries, in both metropolitan and imperial contexts. Particular attention will be paid to how normative concepts of femininity and masculinity play a role in the legitimization of social and political order as well as in attempts to effect and respond to social change.

Note: Expected to be given in 2008–09.

History 1460. French History through French Literature: Conference Course - (New Course)

Catalog Number: 5038

Patrice Higonnet

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Examines 19th century French history through some of the masterpieces of the post-revolutionary French tradition. The emphasis will be on the definitions of individualism (male and female) in an age of revolution and high capitalism. Readings will include Constant, Staël, Balzac, Stendhal, Sand, Tocqueville, Baudelaire, Flaubert, and Zola, as well as corresponding texts on the history of the period such as Marx and Walter Benjamin.

[History 1463. Paris From the French Revolution Through the 19th Century: Conference Course]

Catalog Number: 6355 Enrollment: Limited to 15.

Patrice Higonnet and Henri Zerner

Half course (fall term). Hours to be arranged.

Examines the art, literature, and history of the “capital of the 19th century.” Subjects will include Balzac, Flaubert, and Baudelaire; Delacroix, Manet, and Degas; the Revolutions of 1789, 1848, and 1871.

Note: Expected to be given in 2007–08.

History 1466. Vichy France: Conference Course

Catalog Number: 8154

Patrice Higonnet and Stanley Hoffmann

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8



We cover the background of the Vichy years and the legacy of 1789 and the First World War; military affairs; Vichy's social policy; Vichy, the Germans, and the Jews; Vichy and Free France; and the legacy of the Vichy years.

Note: Students interested in this course should contact Professor Higonnet at higonnet@fas.harvard.edu. Films will be shown weekly.

[History 1468. The Histories of France and the United States Compared: Conference Course - \(New Course\)](#)

Catalog Number: 9325

Patrice Higonnet

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Will compare the historical experience of France and the United States from the late 18th to the 20th century. The issues at stake will be the formation of national consciousness, revolution, and democratization, the development of industrial capitalism, immigration, imperialism, and war.

[History 1469. The Holocaust: History and Memory - \(New Course\)](#)

Catalog Number: 2325

Uta G. Poiger (University of Washington)

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

The Holocaust, the murder of six million Jews by Germans in Nazi-occupied Europe during World War II, is a key event of modern history. The course addresses several interconnected themes: war and genocide; culpability and resistance; how the genocide of European Jewry was intertwined with the targeting of other victims of Nazi rule, including political opponents, Roma, Slavs, black Germans, the disabled, and homosexuals; and the politics of Holocaust remembrance.

[History 1470. Modern European Intellectual History Subject and Structure, Nietzsche to Postmodernism](#)

Catalog Number: 7131

Peter E. Gordon

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

An introduction to major landmarks in Continental philosophy and social theory in the modern period, beginning with Nietzsche. Focuses on the various challenges to traditional enlightenment notions of freedom and subjectivity in psychoanalysis, Critical Theory, existentialism, French structuralism, and post-structuralism.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

[History 1471. The Thought of Martin Heidegger](#)

Catalog Number: 5691

Peter E. Gordon

Half course (spring term). Tu., at 2, W., 7–9 p.m. EXAM GROUP: 9, 16

A lecture course on the development of the ideas of the German philosopher Martin Heidegger. Mostly a sustained, critical reading of his monumental 1927 text, *Being and Time*. We will also discuss some of his later contributions to theories of technology, language, and art; as well as the controversy surrounding his engagement with Nazism.



Prerequisite: History 1470; Social Studies 10; or a course in introductory philosophy or continental political theory.

History 1472. Epistemic Regimes: Conference Course

Catalog Number: 6425 Enrollment: Limited to 20.

Peter E. Gordon

Half course (fall term). W., 7–10 p.m. EXAM GROUP: 9

Will address the now-prevalent idea that reality is a construction, i.e., that what counts as objectivity or truth may depend upon conceptual schemes, discourses, or practices of world-making, such that the conditions for something being "an object" or being "true" in natural science or social experience may admit of variation and structural transformation over time. Topics and authors include: Foucault, Heidegger, Latour, Sokal, Hacking, Poovey, Shapin, Cervantes, and the film trilogy, *The Matrix*.

Prerequisite: One of the following: History 1470, Social Studies 10, French Social Thought, American Social Thought or one course in epistemology Philosophy.

History 1478. Modern Germany, 1871–2000 - (New Course)

Catalog Number: 8858

Uta G. Poiger (University of Washington)

Half course (spring term). Tu., Th., at 10; Th., at 2. EXAM GROUP: 12

The course covers Germany from the founding of the Second Reich in 1870/71 through the unification of the two German states in 1989/90. We ask how Germans have defined "Germanness" in changing political contexts. In particular, we address central questions of German history that relate to both domestic politics and Germany's quest for international domination: authoritarianism and resistance; the success or failure of modernization; gender, sexuality, and German identities; citizenship and racism.

History 1483. French Colonial Encounters: 1870's to Present: Conference Course

Catalog Number: 0461 Enrollment: Limited to 15.

Mary D. Lewis

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Explores and compares three colonies in the French Empire: French West Africa, Algeria, and Indochina, considering how colonial rule was extended, how individuals responded, and what reverberations there were between colony and metropole.

Prerequisite: An introduction to French history recommended.

History 1484. Europe Since World War II

Catalog Number: 4588

Mary D. Lewis

Half course (fall term). M., W., at 11. EXAM GROUP: 4

Considers the political, economic, social and cultural development of Europe since the end of the Second World War. Examines post-war reconstruction; decolonization and the Cold War; the development of social democracy, new social movements, and the welfare state; the birth and expansion of the European Union; the emergence and importance of "immigrant politics" and new extreme-right movements; the events of 1989 and their significance.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical



Study A.

Prerequisite: History 10b recommended.

History 1490. Max Weber in His Time: Conference Course - (New Course)

Catalog Number: 9550 Enrollment: Limited to 15.

David Blackburn

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

We still read and reinterpret Max Weber's work on bureaucracy, charisma, and the links between religion and capitalism. This course places Weber (1864-1920) in his time, as a participant in contemporary German debates. Using his own scholarly and political writings, plus other biographical and historical materials, we examine Weber's strong views on subjects that include German political leadership, nationalism, imperialism, the rise of socialism, university reform, Polish immigrant labor, Catholic "backwardness", and World War One.

[*History 1491. Religion and Popular Culture in 19th-Century Europe: Conference Course]

Catalog Number: 6681 Enrollment: Limited to 15.

David Blackburn

Half course (fall term). Hours to be arranged.

Explores the relationship between social and political change and popular religious practice from the French Revolution to World War I. Considers methodological problems in the study of religion and popular culture; religious revivals and popular politics; pilgrimages and prophetic movements; the relationships between class, gender, and religious culture; the feminization of religion, and the origins and resistance to the secularization of state and society. Readings include primary documents and secondary texts.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2265.

History 1496. Colonialism and German History in the Late 19th and 20th Centuries: Conference Course - (New Course)

Catalog Number: 8939

Andreas Eckert (University of Hamburg)

Half course (spring term). W., 4–6.

Explores the importance of colonialism for German history since the 1870s, and analyzes to what extent the effects of the colonial experience influenced German politics, culture, society, and economy not only during the period when Germany possessed colonies, but also after World War I.

History 1526. Imperial Russian History

Catalog Number: 9133

Elena I. Campbell

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Provides an overview of Russian Imperial History from the late 17th century to the Revolutions of 1917. We will explore the Russian Imperial past through examining the nature and evolution of autocratic power, politics of reform and revolution, imperial ideologies and practices, social structure and everyday experiences, as well as intellectual and cultural life.

Prerequisite: No Russian language is required.



History 1527. The Russian Empire and its Nationalities: Conference Course

Catalog Number: 5167 Enrollment: Limited to 15.

Elena I. Campbell

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Multiethnicity was a crucial factor in Imperial Russian history. How was the multiethnic empire held together, and what was the role of the “nationalities question” in its disintegration? How was cultural diversity articulated and manifested in politics? What were the Imperial approaches to different nationalities? We shall explore these questions through examining the issues of identity, nationality policies, and ideologies. Particular attention will be given to the development of the nationalistic discourse in Imperial Russia.

Prerequisite: No Russian language is required.

History 1528. History and Memory: Conference Course

Catalog Number: 4097

Elena I. Campbell

Half course (spring term). W., 4–6. EXAM GROUP: 9

Will focus on the problem of collective memory from the perspective of its social, political, and cultural functions and its institutional and cultural expressions. We will explore the process by which societies construct and make sense of their past through examination of different forms of commemoration (celebrations, monuments, museums, archives). Special attention will be given to Russia: October Revolution as a memory project, the cult of WWII, the remembrance of Stalinist repressions.

Prerequisite: No Russian language is required.

History 1531. History of the Soviet Union, 1917-1991

Catalog Number: 4501

Terry D. Martin

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

Examines the history of the Soviet Union from the Russian Revolution to Gorbachev’s failed reforms. Focus on the period 1928-53 when industrialization, nationalization and political terror created a distinct Soviet society and culture. Readings include novels, short stories, memoirs, Soviet propaganda, high policy deliberations, letters, journalism, songs, jokes, etc.

Cross-listed Courses

[Slavic 169. 20th-Century Ukraine: Literature, Arts, and Society]

Primarily for Graduates

History 2310. Problems in Late Medieval and Early Modern Europe 1250-1750: Seminar

Catalog Number: 9057

Steven Ozment

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Directed reading and writing in European politics, society, and culture. For field exam candidates, senior thesis writers, and graduate students writing dissertations.

Note: Open to advanced undergraduates with permission of instructor.



History 2332. Early Modern England: Seminar

Catalog Number: 7105 Enrollment: Limited to 10.

Mark A. Kishlansky

Half course (spring term). Hours to be arranged.

Students will conduct primary research on topics of significance in the history of England, ca. 1563–1714.

[History 2342r. The French Revolution: Seminar]

Catalog Number: 1914

Patrice Higonnet

Half course (spring term). Hours to be arranged.

The history of Paris during the French Revolution.

Note: Expected to be given in 2007–08.

History 2410. Ideas in Europe in the 18th Century: Seminar

Catalog Number: 1077

Emma Rothschild

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

A graduate seminar which examines a number of 18th century writings (by Smith, Wollstonecraft, and Condorcet) and ideas (enlightenment, religion, empire), and explores different ways of writing about the history of ideas.

[History 2430. The British Empire Before 1800: Proseminar]

Catalog Number: 4452

David R. Armitage

Half course (fall term). Hours to be arranged.

History of the British Empire before 1800, with special emphasis on the Atlantic Ocean.

Note: Expected to be given in 2008–09.

***History 2441. Central and Eastern European History: Seminar - (New Course)**

Catalog Number: 6464 Enrollment: Limited to 12.

Alison F. Frank

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Major themes include nationalism, communism, the 'Polish question,' the 'Jewish question,' the political and economic viability of the Habsburg Empire, cultural exchange and diplomatic relations between Austria, Germany and the Russian Empire/Soviet Union.

Prerequisite: Reading Knowledge of either German, Polish, Czech, or another Central European language.

[*History 2473. Latin Texts of the Italian Renaissance: Proseminar]

Catalog Number: 0140

James Hankins

Half course (spring term). Hours to be arranged.

Topics include civic humanism and republicanism; Renaissance historiography and its modern context; the revival of ancient philosophical systems and the challenge to Aristotelianism and scholasticism; humanist educational theory and practice. Readings in contemporary sources.



Note: Expected to be given in 2007–08. Enrollment by permission of the instructor. May not ordinarily be credited as one of the research seminars required in the first-year program.

Prerequisite: A reading knowledge of Latin, French, Italian, and German.

[History 2475. Problems and Sources in Modern German History: Seminar]

Catalog Number: 8355 Enrollment: Limited to 12.

David Blackbourn

Half course (fall term). Hours to be arranged.

A thematic course dealing with major topics in German history from the middle of the 19th century to the Third Reich. A recurrent question is the relationship of “modern” and “anti-modern” in this period.

Note: Expected to be given in 2007–08. Reading knowledge of German not required.

History 2480. The Scope of History: Seminar - (New Course)

Catalog Number: 4804 Enrollment: Limited to 15.

Mary D. Lewis

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Explores the historical method by considering the wide array of “levels” of analysis or foci that historians adopt, from local and national to transnational, comparative and global; considers the relationship between scope and problematic.

History 2526. Imperial Russian History: Historiography Seminar - (New Course)

Catalog Number: 0558

Elena I. Campbell

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Will familiarize students with the historiographical traditions and trends in the field of Imperial Russian history. The focus will be on approaches, major issues, and debates in historical writing.

Prerequisite: No Russian language is required.

History 2531. The Soviet Union: Seminar

Catalog Number: 7969

Terry D. Martin

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Introduction to archival and primary sources, as well as major historiographical debates. Primary focus on major research paper.

Prerequisite: Reading knowledge of Russian.

History 2532. The Soviet Union: Proseminar - (New Course)

Catalog Number: 2405

Terry D. Martin

Half course (fall term). W., 2–5. EXAM GROUP: 7, 8, 9

Introduction to major debates in the historiography of the Soviet Union.

Cross-listed Courses



[**Historical Study A-27. Reason and Faith in the West**]

[**Historical Study A-76. Germany 1871–1990: From Unification to Reunification**]

[**Historical Study B-35. The French Revolution: Causes, Processes, and Consequences**](#)

[**Historical Study B-54. World War and Society in the 20th Century: World War II**](#)

History of the United States

For Undergraduates and Graduates

[**History 1605. Early American Slave Revolts: Conference Course - \(New Course\)**](#)

Catalog Number: 4218

Vincent Brown

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Will analyze political dynamics of resistance and social control within the slave societies of the early Americas from the 17th to the early 19th centuries. Topics for consideration include maroon resistance, struggles over time, territory, status, and cultural practice within slavery, the organizing strategies of the enslaved, and competing visions of the future.

[**History 1610. Confronting Objects/Interpreting Culture: Interdisciplinary Perspectives on North America: Conference Course**](#)

Catalog Number: 2479 Enrollment: Limited to 12.

Laurel Thatcher Ulrich and Ivan Gaskell

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Using case studies drawn from the Artemas Ward House and other Harvard collections, students will explore a range of methods used in interpreting art and artifacts from colonial North America and the early US. Emphasis on the interplay between particular objects and larger historical themes, such as colonialism, patriotism, or the beginnings of mechanization. Students will be introduced to a range of scholarly tools, including laboratory analysis of materials, quantitative studies of household inventories, and iconography.

[**History 1611. American Revolutions in the Atlantic World**](#)

Catalog Number: 9586

Vincent Brown

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

This course considers the American (1776-1789) and the Haitian (1791-1804) revolutions as a continuous sequence of radical challenges to established authority, which threw the imperial Atlantic world in chaos, killing and dislocating tens of thousands, depriving European powers of prized colonial possessions, disrupting established political orders and patterns of commerce, and finally, creating the first two independent post-colonial nation states in the Americas.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.

[**History 1612. African Diaspora in the Americas: Conference Course**](#)

Catalog Number: 9564

Vincent Brown

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16



How can we best understand the diverse cultural practices of black people in the Americas, from where did those practices derive, and how are they related to each other? We explore a history of attempts to answer those questions, and examine ways that interpretations of the “African diaspora” have been conceived by scholars to better appreciate the complex histories of African-American cultural practices.

[History 1615. The Nine Lives of Benjamin Franklin: Conference Course]

Catalog Number: 6296 Enrollment: Limited to 15.

Joyce E. Chaplin

Half course (spring term). Hours to be arranged.

Examines some of the multiple lives that Franklin led during the eighteenth century. Students examine in depth one of these lives or identify and explore yet another, to better comprehend Franklin and the worlds in which he lived: colonial America, British empire, independent US, books, science, popular culture, politics, war, personal improvement, and many others.

Note: Expected to be given in 2007–08.

[History 1625. The American Civil War: Waging a War in History and Memory]

Catalog Number: 7989

Susan E. O’Donovan

Half course (fall term). Hours to be arranged.

As much public as professional property, the Civil War has had many owners, it has assumed many shapes, and it has been put to many uses. Starting in the archives and ending in Hollywood, this course considers a range of those Civil Wars, their authors, and their meanings. Period accounts, fiction, film, and historians’ interpretations will provide the basis for understanding the war’s continued grip on the American imagination and on national political life.

Note: Expected to be given in 2008–09.

[History 1629. Empire for Liberty: The U.S. in the Nineteenth Century - \(New Course\)](#)

Catalog Number: 1940

Walter Johnson

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

This course treats the history of the nineteenth-century U.S. and the Civil War in light of the history of U.S. imperialism, especially the War of 1812, the Mexican-American War, and the illegal invasions of Cuba and Nicaragua in the 1850s. Likewise, it relates the history of slavery in the United States to the Haitian Revolution, the Louisiana Purchase, Indian removal, Atlantic cotton, land and money markets, and the hemispheric history of antislavery.

[History 1633. African American Social Movements in the 20th Century] - (New Course)

Catalog Number: 8247

Evelyn Brooks Higginbotham

Half course (fall term). Hours to be arranged.

Examines diverse categories of reform and protest movements over the past century, including religious, Black Nationalist, artistic, economic justice, civil rights, women’s rights, with attention to the specific historical context of each. Will seek to understand the political, social, and economic climate in which collective action emerged and changed, and to understand how some



black social movements are directly linked to others, by analyzing movements with regard to their geographic setting, class-orientation, strategies, goals, and leadership

Note: Expected to be given in 2007–08.

***History 1635. Race and Race Relations Since Plessy: Conference Course**

Catalog Number: 4172 Enrollment: Limited to 15.

Stephan Thernstrom

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

An examination of the changing position of blacks in American society since disenfranchisement and the creation of the Jim Crow system at the turn of the century. The nature of segregation; the civil rights movement; the crisis of the sixties; the Moynihan and Kerner reports; economic and social trends since the 1960s.

History 1637. The History of American Education, 1636–2000 - (New Course)

Catalog Number: 4602

Ellen Condliffe Lagemann (School of Education)

Half course (fall term). M., W., at 10. EXAM GROUP: 3

Examines the history of American education, broadly conceived, including not just schooling, but also education within families, religious institutions, places of work, and via the mass media. Consideration of the history of education will be set within the context of US political, social, economic, and cultural history. Will help students understand how central education has been to all aspects of the history of the United States, especially the history of US social policy.

History 1638. American Social History Since 1920

Catalog Number: 5967

Stephan Thernstrom

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

An analysis of major social changes and continuities from the 1920s to the present. Emphasizes demographic change, economic development, the class structure, immigration, race relations, ethnicity, gender, and religion. Makes extensive use of social science methods and examines quantitative evidence. A major theme is the question of American "exceptionalism"--how the U.S. resembles and differs from other advanced industrial societies.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

History 1639. The Expanding United States, 1803–1917 - (New Course)

Catalog Number: 9411

Rachel St. John

Half course (fall term). Tu., Th., at 11, and an hour to be arranged. EXAM GROUP: 13

Will explore the history of 19th century American expansion, from 1803 when the United States was an adolescent republic bounded by the Mississippi River and inhabited by a relatively homogeneous population, to 1917 when an expansive federal government presided over a continent-spanning nation, overseas territorial possessions, an industrial, capitalist economy, and a diverse population struggling over political inclusion, economic equity, and national identity.



History 1641. History of the US West

Catalog Number: 3887

Rachel St. John

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

This lecture course will introduce students to the history of the place that we now know as the US West from before European expansion to the present. Lectures and readings will examine how both particular national boundaries and distinctive regional patterns have defined the West. Drawing on histories, memoirs, journals, films, and images, students will explore a variety of perspectives on the political, economic, social, cultural, and environmental transformations of the American West.

***History 1643. Civil War and Reconstruction: Conference Course**

Catalog Number: 5156 Enrollment: Limited to 15.

Drew Gilpin Faust

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

This course will explore the American experience of Civil War and Reconstruction with attention to cultural, social, political, and military questions. Readings will include both primary and secondary texts. Students will be expected to participate actively in class discussions and to produce a substantial research paper.

***History 1645. History of American Immigration: Conference Course**

Catalog Number: 7280 Enrollment: Limited to 15.

Stephan Thernstrom

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Analysis of the immigration waves that have shaped the American population from colonial times to the present. The causes of international migration; shifting American attitudes toward immigrants; US immigration policy; the economic and social adjustment of newcomers; the Melting Pot vs. cultural pluralism.

[History 1650a. Foreign Relations of the US I]

Catalog Number: 3435

Ernest R. May and Erez Manela

Half course (fall term). Hours to be arranged.

American foreign relations from the colonial period through World War I. Topics include the transition from colonial to imperial status; the changing role of the US in international relations; interaction between domestic politics and foreign policy; political, economic, and cultural relationships between Americans and other peoples.

Note: Expected to be given in 2007–08.

[History 1650b. Foreign Relations of the US II]

Catalog Number: 4745

Ernest R. May and Erez Manela

Half course (spring term). Hours to be arranged.

American foreign relations since World War I. Topics include the world role of the supposedly isolated US in the interwar years, World War II, postwar “hegemony,” the Cold War, and



political, economic, and cultural interaction between Americans and other peoples.

Note: Expected to be given in 2007–08.

[History 1655. Native American Identities: Conference Course]

Catalog Number: 7019 Enrollment: Limited to 15.

Malinda Maynor Lowery

Half course (fall term). Hours to be arranged.

Using readings in history, literature, anthropology, sociology, law and policy, and the arts, this conference course will explore how Native Americans define themselves to one another and to non-Indians in local, personal, tribal, and national contexts.

Note: Expected to be given in 2008–09.

History 1657. Native America: The East

Catalog Number: 1723

Malinda Maynor Lowery

Half course (fall term). M., W., (F.), at 1. EXAM GROUP: 6

This survey course uses culture to analyze Native American history. Students will gain a deeper understanding of the oral and spiritual histories of Native people east of the Mississippi prior to the arrival of Columbus, why and how Native nations adapted to the European presence, and how colonial and United States Indian policy developed through the late twentieth century.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

History 1658. Native America: The West

Catalog Number: 5296

Malinda Maynor Lowery

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

This survey course uses culture to analyze Native American history. Students will gain a deeper understanding of the oral and spiritual histories of Native people west of the Mississippi prior to the arrival of Columbus, why and how Native nations adapted to the European presence, and how colonial and US Indian policy developed through the late twentieth century.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

[*History 1661. Social Thought in Modern America]

Catalog Number: 8440 Enrollment: Limited to 75.

James T. Kloppenberg

Half course (fall term). Hours to be arranged.

An inquiry into American ideas since 1890, examining developments in political and social theory, philosophy, and literature in the context of socioeconomic change. Topics include the breakdown of Victorian idealism and laissez-faire; the emergence of social science and progressivism; conflicts over gender, race, and ethnicity; interwar cultural ferment and political reform; post-World War II theories of consensus and 1960s radicalism; and the consequences for democracy of our contemporary culture of irony.

Note: Expected to be given in 2007–08.



[History 1664. African American Intellectual History: Conference Course]

Catalog Number: 0234

Evelyn Brooks Higginbotham

Half course (spring term). Hours to be arranged.

Explores key ideas put forward by black and white thinkers on the African American experience. Focuses on themes of racial ideology that relate to abolitionism, black nationalism, pan-Africanism, the New Negro arts movement of the 1920s, and struggles for racial equality in the 1930s and 1960s. We examine the relationship between ideas and social context, the role of the individual, and the spectrum of black thinking from radical to conservative traditions.

Note: Expected to be given in 2007–08.

[History 1666. The World of William James: Conference Course]

Catalog Number: 9674 Enrollment: Limited to 15.

James T. Kloppenberg

Half course (spring term). Hours to be arranged.

Examines James's life and writings in relation to American and European thinkers such as his contemporaries Wilhelm Dilthey and Friedrich Nietzsche, his brother Henry James, his sister Alice James, and his students W.E.B. DuBois, Walter Lippmann, and Gertrude Stein.

Note: Expected to be given in 2007–08.

[History 1670. The New Deal: The United States During the Roosevelt Years: Conference Course](#)

Catalog Number: 4878 Enrollment: Limited to 15.

Lisa M. McGirr

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

An exploration of the trajectory of New Deal reform and the broader social, economic, political, and cultural changes in the US in this period. Topics will include the First and Second New Deal, the rise of liberalism, the Roosevelt administration, the social movements of the Left and the Right during the 1930s, the coming of war, and the waning of the reform impulse.

[History 1672. The US in the 1960s]

Catalog Number: 5900

Lisa M. McGirr

Half course (fall term). Hours to be arranged.

An introduction to the main developments in American society, culture, and politics during the premiere liberal decade of the 20th century. Topics include the New Frontier, the Great Society, the Vietnam war, the Civil Rights movement, the student movement, the counter-culture, and the rise of populist conservatism.

Note: Expected to be given in 2008–09.

[History 1676. Social Movements in the United States from Populism to the New Right](#)

Catalog Number: 4073

Lisa M. McGirr

Half course (spring term). M., W., at 11. EXAM GROUP: 4

Examines social movements in America from the late 19th century until today in an historical perspective. Topics include populism, temperance, suffrage and the labor movement, as well as



civil rights activism and the student movement. Attention will also be given to right-wing movements in the 20th century such as the Ku Klux Klan and the New Right. Course will address the origins of these various social movements, their strategies and tactics, and successes and failures.

[History 1679. Making America Modern: The US during the 1920s: Conference Course]

Catalog Number: 9496 Enrollment: Limited to 15.

Lisa M. McGirr

Half course (fall term). Hours to be arranged.

Looking at the US in the period from the Great War to the Depression, closely explores the central developments of the decade—in society, culture, and politics—to determine its contribution to the making of “modern America.”

Note: Expected to be given in 2008–09.

History 1690. The US and Imperialism: Conference Course

Catalog Number: 7201 Enrollment: Limited to 15.

Erez Manela

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Explores American ideas and practices of imperialism, and anti-imperialism, in the 20th century, and their impacts on societies abroad. Topics include the US as colonial power; imperialism and anti-imperialism in American visions of international order; interactions with European imperialism; and attitudes and policies on decolonization and “nation-building” during the Cold War.

[History 1693. The History of Poverty in the US: Conference Course]

Catalog Number: 8207 Enrollment: Limited to 15.

Alexander Keyssar (Kennedy School)

Half course (fall term). Hours to be arranged.

Examines pre-industrial poverty, as well as societal responses to it. Emphasis will be placed on the appearance of new forms of poverty during the industrial era of the 19th and 20th centuries and on the gradual efforts to develop policies to cope with, or even abolish, poverty.

Note: Expected to be given in 2007–08. Offered jointly with the Kennedy School as API-706.

Cross-listed Courses

African and African American Studies 118. African American History from the Slave Trade to 1900

[African and African American Studies 191. The Civil Rights Movement: Seminar]

[*Economics 1357. Historical Perspectives on American Economic Ascendancy]

Historical Study A-85 (formerly History 1640). The United States since World War II

Historical Study A-86 (formerly History 1692). Men and Women in Public and Private: the US in the 20th Century

Historical Study B-40. Pursuits of Happiness: Ordinary Lives in Revolutionary America

Historical Study B-49 (formerly History 1651). History of American Capitalism

[Religion 1468. Religion in America: From the Coming of the Europeans to the 1870s]

Religion 1483. The Catholic Sixties



Primarily for Graduates

History 2600. Readings in Colonial and Revolutionary America: Proseminar

Catalog Number: 9176

Jill M. Lepore

Half course (fall term). Th., 12–2. EXAM GROUP: 14, 15

An introduction to scholarly literature on colonial and revolutionary America. Required for History Department graduate students specializing in US history. Open to those from other fields of programs.

History 2601. The US in the 20th Century: Seminar

Catalog Number: 1270 Enrollment: Limited to 12.

Lizabeth Cohen

Half course (fall term). Tu., 10–12. EXAM GROUP: 12, 13

Research on topics in 20th-century US history.

Prerequisite: Permission of instructor.

History 2602. Readings in the History of the US in the 19th Century: Proseminar

Catalog Number: 2383 Enrollment: Limited to 12.

Rachel St. John

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

The second in the sequence of three proseminars required of all graduate students in American history and open to graduate students in other history fields and other departments as space permits.

History 2606hf. Early American Social History: Seminar

Catalog Number: 6049

Laurel Thatcher Ulrich

Half course (throughout the year). Fall: Tu., 2–4; Spring: Th., 2–4. EXAM GROUP: 16, 17

Research culminating in the production of a scholarly essay. Some prior knowledge of the period assumed.

[History 2607. Readings in the US in the 20th Century: Proseminar]

Catalog Number: 2931

Half course (fall term). Hours to be arranged.

The third proseminar required of all graduate students in American history. Readings in classics and recent monographs, with attention to politics, social life, and culture.

Note: Expected to be given in 2007–08.

[History 2610. Race in Early America: Status, Identity, and Power: Seminar]

Catalog Number: 9276 Enrollment: Limited to 15.

Joyce E. Chaplin

Half course (spring term). Hours to be arranged.

A research seminar in American history in which each student will complete an article-length



essay based on original research.

Note: Expected to be given in 2007–08.

[History 2613. Assessing Other Governments: Seminar]

Catalog Number: 7404

Ernest R. May

Half course (spring term). Hours to be arranged.

After examination of case studies from 19th and 20th century American and European history, chiefly from the period of the Cold War, students prepare major research papers based on original sources.

Note: Expected to be given in 2007–08. Offered jointly with the Kennedy School of Government as ISP-310.

Prerequisite: Reading knowledge of at least one language other than English is ordinarily required.

[History 2616. The Art and Craft of Historical Writing: Seminar]

Catalog Number: 4655

Jill M. Lepore

Half course (fall term). Hours to be arranged.

An intensive writing workshop and research seminar for history graduate students across field groups, divided into two parts, exposition, and narrative. Readings will be limited to essays on historical writing and samples of particularly effective academic prose.

Note: Expected to be given in 2007–08.

[History 2630hf. Intellectual History: Seminar]

Catalog Number: 2382

James T. Kloppenberg and David D. Hall (Divinity School)

Half course (throughout the year). Hours to be arranged.

Topic to be announced.

Note: Expected to be given in 2007–08.

[History 2632. Slavery, Capitalism, and Imperialism in the 19th century United States: Seminar - \(New Course\)](#)

Catalog Number: 8558

Walter Johnson

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Will illuminate the imperial dimensions of the history of the nineteenth-century United States.

[*History 2640hf. Workshop in 20th-Century US History](#)

Catalog Number: 0565

Lizabeth Cohen

Half course (throughout the year). Hours to be arranged.

Prerequisite: For dissertation writers only. Permission of the instructor.

[History 2650hf. The Political Economy of Modern Capitalism: Seminar](#)

Catalog Number: 3719



Sven Beckert and Christine Desan (Law School)

Half course (throughout the year). M., 4–6. EXAM GROUP: 9

A year-long research and reading course on the history of capitalism during the past 300 years.

Note: Offered jointly with the Law School as Law-98060A-1FS.

History 2651hf. Cultural Reverberations of Modern War: Seminar - (New Course)

Catalog Number: 7255

Nancy F. Cott

Half course (throughout the year). Tu., 4–6. EXAM GROUP: 18

An interdisciplinary research workshop attached to the Charles Warren Center for Studies in American History, focused on examining the relation of 20th-century wars to modern American culture and artistic expression. The group includes resident fellows, graduate students, and invited speakers, and meets approximately every other week for two semesters. Each student will work on a major research project, to be presented to the group in the late spring.

History 2661. Graduate Readings in 20th-Century African-American History: Seminar

Catalog Number: 9004

Evelyn Brooks Higginbotham

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Covers key literature on themes and developments shaping the national experience of African Americans from Redemption to the emerging multi-racial Republic.

[*History 2662hf. Readings in American Thought]

Catalog Number: 8845 Enrollment: Limited to 20.

James T. Kloppenberg and David D. Hall (Divinity School)

Half course (throughout the year). Hours to be arranged.

An examination of classic and contemporary histories of American thought.

Note: Expected to be given in 2007–08.

***History 2671. American Social History: Seminar**

Catalog Number: 0969 Enrollment: Limited to 10.

Stephan Thernstrom

Half course (fall term). Tu., 12–2. EXAM GROUP: 14, 15

Students will do primary source research on any suitable topic in American social history broadly defined.

History 2681. International Relations of the US: Seminar

Catalog Number: 8886

Ernest R. May

Half course (spring term). W., 4–6. EXAM GROUP: 9

Advanced research on topics in the history of U.S. foreign and national security policy.

Cross-listed Courses

[African and African American Studies 191. The Civil Rights Movement: Seminar]

***American Civilization 200 (formerly *American Civilization 370). Major Works in the**



History of American Civilization

[***American Civilization 201** (formerly ***American Civilization 371**). **Themes in the History of American Civilization**]

***Economics 2339. The Economic History Workshop**

History of Latin America

For Undergraduates and Graduates

History 1733. Cuba: Culture and Society - (New Course)

Catalog Number: 9235

Rafael Meinardo Hernandez Rodriguez

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Examines the various components of Cuban society and culture, including the diversity of political, economic, social and historical developments that shape contemporary Cuba. Seeks to understand Cuba from a sociological and cultural perspective, considering the complex factors that have changed Cuban society in the last 50 years, and as they are expressed by political events, social relations, economic transformations and daily life, and portrayed by art, films, popular culture, music, and ordinary speech.

History 1745. Major Problems of Colombian History, 1400-2007: Conference Course

Catalog Number: 0100

John Womack, Jr.

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Focus on Latin America's most diversely divided country, from the first native chiefdoms to the current civil wars. Topics include historical geography, empire, class and cultural conflicts, progress and control, imperialism, god(s), the devil(s), guns, drugs, cash, and revolution. *Prerequisite:* History 1757 and/or 1758 helpful, but not required.

History 1746. Contestation, Rebellion, and Revolution in Brazil and Spanish South America (1770-1808): Conference Course

Catalog Number: 8945

Kenneth R. Maxwell

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

A comparative examination of Brazil and the Andes in the two decades before independence. This course will explore the diverse forms of contestation in South America between 1770 and 1808. For Brazil this will involve the several pre-independence conspiracies, and for Spanish America the Rebellions in the Andes. The seminar will focus on the intellectual articulation of these movements and well as their social and economic roots.

History 1749. Turning Points in Brazilian History: From Cabral to Lula

Catalog Number: 6818

Kenneth R. Maxwell

Half course (spring term). M., W., at 11. EXAM GROUP: 4

The course will begin with a discussion of Brazil led by the union organizer Lula. From an examination of the present it will look back to critical moments in the formation of Brazilian



society. Each episode will be examined both in terms of its Atlantic or global dimension as well as within its domestic national context.

History 1750. Brazil Between Revolutions, 1776-1789: Conference Course

Catalog Number: 5510

Kenneth R. Maxwell

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Will focus on the period between the American declaration of independence to the French revolution, and the impact of events in North America on proto-nationalist movements in Brazil, particularly on the Minas Conspiracy of 1788-1789. Will assume prior knowledge of Latin American, European and US history of this period, as well as language skills in Portuguese, Spanish and French.

[History 1756. The Cold War in Latin America: Conference Course]

Catalog Number: 9875 Enrollment: Limited to 15.

John H. Coatsworth

Half course (fall term). Hours to be arranged.

Examines the international history of Latin America during the Cold War from 1948 to 1990, with a focus on Latin America's relations with the US and an examination of episodes of intervention and confrontation in the Caribbean basin as well as the forging of alliances and organizations that embodied and projected US power in the entire region.

Note: Expected to be given in 2007–08.

History 1757. History of Latin America to 1825

Catalog Number: 5991

Kenneth R. Maxwell

Half course (fall term). M., W., at 11. EXAM GROUP: 4

Although the course will be organized chronologically, it will focus on distinctive historical turning points and seek to explain how and why distinctive societies developed in the region over the colonial centuries. The lectures will also delineate the ways colonial Latin America was connected into Atlantic and global developments between 1492 and 1825. It will not seek to provide a comprehensive survey of all aspects of colonial Latin American history in a traditional sense.

History 1759. The History of Latin America, 1914-2007

Catalog Number: 7328

John Womack, Jr.

Half course (spring term). M., W., (F.), at 12. EXAM GROUP: 5

A survey of Latin American societies and politics, from World War I to the present, with emphasis on the conjunction of global and internal changes to explain economic developments and struggles for power, justice, progress, and security.

Cross-listed Courses

Foreign Cultures 46. Caribbean Societies: Socioeconomic Change and Cultural Adaptations



Primarily for Graduates

History 2733. United States-Cuban Relations: Seminar - (New Course)

Catalog Number: 3034

Rafael Meinardo Hernandez Rodriguez

Half course (fall term). Tu., 3–5. EXAM GROUP: 17, 18

An overview of the political and social history of US-Cuban relations from the Thirteen Colonies to the present, emphasizing national interests and international actors, and points of convergence and clash in the bilateral, regional and extra-hemispheric arenas.

Note: Offered jointly with the Kennedy School as ISP-238.

***History 2781. Mexican Industrial and Labor History, 1546-2006: Seminar**

Catalog Number: 5731 Enrollment: Limited to 12.

John Womack, Jr.

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Topics for 2006-2007: Industrial development; industrial labor markets and industrial work; industrial and technical divisions of labor and strategic positions; their consequences in modern Mexican economic, social, and political history.

Prerequisite: History 1757, 1758, and 1759 helpful, but not required.

[*History 2782. The Economic History of Latin America: Seminar]

Catalog Number: 4261 Enrollment: Limited to 15.

James Robinson

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Examines the evolution of the Latin American economies from the colonial era to the 20th century.

Note: Expected to be given in 2007–08. Open to undergraduates with permission of instructor. Spanish or Portuguese helpful but not required.

Prerequisite: Rudimentary economics, and some Latin American history.

History of Asia, Africa, and Australasia

For Undergraduates and Graduates

[History 1820. Premodern Vietnam]

Catalog Number: 4581

Hue-Tam Ho Tai

Half course (spring term). Hours to be arranged.

Vietnamese history from antiquity to the founding of the Nguyen dynasty in 1802 with emphasis on the period following independence from China in the 10th century. Topics include the Sinicization of Vietnam and the sources of Vietnamese national identity; tensions between aristocratic and bureaucratic rule; territorial expansion and national division; first contacts with the West; the changing status of women.

Note: Expected to be given in 2007–08.



History 1821. Modern Vietnam

Catalog Number: 8192

Hue-Tam Ho Tai

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Survey of Vietnamese history from 1802 to the present. Covers the period of unified rule under the Nguyen dynasty, French colonial conquest, the struggle for independence, the Vietnam War, and the recent unification under Communism. Major topics include the relationship between the state, the village, and the individual; the transformation of Vietnamese society, culture, and politics under French rule; the rise of nationalism and Communism; the causes and consequences of the Vietnam War.

[History 1824. The Emergence of Modern China]

Catalog Number: 0171

Philip A. Kuhn

Half course (spring term). Hours to be arranged.

Chinese are deeply conscious of the historical origins of their present-day society. Two centuries of foreign conflict, domestic rebellion, cultural transformation and nation building have shaped their society and politics. We trace the roots of modern China through writings of Chinese themselves about how they have viewed their world. Readings and discussions emphasize primary sources in translation.

Note: Expected to be given in 2007–08. No prior study of Chinese history necessary.

[History 1826. 20th Century China]

Catalog Number: 7445

Henrietta Harrison

Half course (fall term). Hours to be arranged.

An introduction to 20th century China, covering the 1911 revolution to Deng Xiaoping's reforms in the 1980s. Will explore the themes of state building, nationalism, social change, the development of political parties, and will focus on the political, social and cultural changes that led up to and resulted from the revolution of 1949.

Note: Expected to be given in 2007–08.

[History 1827. Nationalism and Ethnicity in China]

Catalog Number: 8688

Henrietta Harrison

Half course (spring term). Hours to be arranged.

Will examine how changes in social and political conditions have altered Chinese identity since the eighteenth century. Topics include traditional models of identity, the creation of ethnic minorities, ideas of race and nationhood, the interaction between nationalism and communism, and the changing nature of Chinese nationalism in the 1980s and 90s.

Note: Expected to be given in 2007–08.

History 1828. Christianity and Chinese Society: Conference Course

Catalog Number: 2587

Henrietta Harrison

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9



Examines the history of Catholic and Protestant Christianity in China from the 16th century to the present. The focus is on non-elite Chinese believers and the ways in which Christianity affected their lives.

History 1834. The Chinese Overseas: Conference Course

Catalog Number: 2606

Philip A. Kuhn

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

In modern times, Chinese migrants have settled in more than 100 countries worldwide and have contributed significantly to the integration of the world economy. Their struggles to find a future in their adopted lands is a major theme in modern history. Explores aspects of Chinese emigration, including “globalization” and migration; colonial and post-colonial societies in Southeast Asia; the Americas, Europe, and Australasia; Chinese economic enterprise; and the changing role of China itself.

Note: 3 short papers and no final exam. No prerequisites

History 1846. The Japanese Empire (1895–1945) And Its Legacies - (New Course)

Catalog Number: 9036

Daqing Yang (George Washington University)

Half course (fall term). M., W., at 12. EXAM GROUP: 5

Will examine the latest English-language scholarship on the origins and evolution of the Japanese empire, as well as its postwar legacies, including how it has been remembered since 1945. Will focus on the strategy and diplomacy of imperialism, colonial modernity, politics of memory, as well as historical reconciliation. Students will have the option to prepare historical surveys of thematic topics or to conduct research in primary sources, many of which are available in English.

History 1851. 20th-Century Japan

Catalog Number: 8696

Andrew Gordon

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Japan’s emergence as a world power and the Japanese experience of modernity. Politics, social movements, and culture of the imperial era; the experience of World War II and postwar occupation; the “economic miracle” and postwar political economy; social and cultural transformation. From the 1980s boom to the 1990s bust; the early end to the Japanese century?

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

History 1874. The Middle East During the First Wave of Modern Globalization, 1870-1925: Conference Course

Catalog Number: 2291

E. Roger Owen

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Examines the place of the Middle East during the first wave of modern globalization including the role of formal and informal empire, government and greater economic integration. Explores



different ways of writing such a history using case studies designed to illustrate different aspects of the various processes involved.

History 1877a. History of the Near East, 600-1055

Catalog Number: 1770

Roy Mottahedeh

Half course (fall term). M., W., at 12. EXAM GROUP: 5

A survey of the history of the Near East and North Africa from the rise of Islam in the 7th century to the Turkish ascendance in the mid-11th century. Includes Muhammad and his community, Arab conquests, Umayyads and Abbasids, sectarian movements, minority communities, government and religious institutions, relations with Byzantium and the Latin West.

History 1877b. History of the Near East, 1055-1517: Conference Course

Catalog Number: 3026

Roy Mottahedeh

Half course (spring term). W., 3–5.

Surveys history of the Near East from the coming of the steppe peoples to the Ottoman conquest of Egypt. Includes Seljuks, Crusades, Mongols, and the fall of the Abbasid caliphate, Mamluks, the development of Mediterranean and Indian Ocean trade, and the Timurids and their successors.

Prerequisite: History 1877a helpful, but not required.

History 1878a. Ottoman State and Society I (1300–1550)

Catalog Number: 5471

Cemal Kafadar

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Surveys the emergence of the Ottoman state from a frontier principality into a world empire in its sociopolitical and cultural contexts. Topics include pre-Ottoman Anatolia; frontier society; methods of conquest; centralization of power; classical institutions of the land regime and of the central administration; urbanization; religion and literature. Relations with Byzantium, other Islamic states, and Europe are examined.

History 1878b. Ottoman State and Society II (1550-1920)

Catalog Number: 6470

Cemal Kafadar

Half course (spring term). Tu., Th., F., at 11. EXAM GROUP: 4, 13

Surveys the transformations of the classical Ottoman order in the Middle East and southeastern Europe until the demise of the state. Topics include decentralization; social disturbances; the impact of the new world economy and new trade routes; reforms; changing relations with Europe; nationalist movements; the 'Eastern Question.' Ethnic structure, rural society, urban popular culture, guilds, gender and family life are also examined. The importance of this era for understanding today's Middle East is stressed.

[History 1886. Protest and the City in the Middle East and Europe: Conference Course] - (New Course)



Catalog Number: 0502

Half course (fall term). Hours to be arranged.

A comparison of Middle Eastern (focusing on Egypt and Syria) and European cities and civic culture in the medieval and modern periods by looking at urban popular protest.

Note: Expected to be given in 2007–08.

History 1890b. The Economic History of the Middle East Since World War II

Catalog Number: 1249

E. Roger Owen

Half course (fall term). Tu., Th., at 10 and a weekly section to be arranged. EXAM GROUP: 12

A critical overview of the processes of economic growth and transformation in the Middle East from World War II to the present. Countries to be studied include Egypt, Syria, Lebanon, Jordan, Iraq, the Arab states of the Arabian Peninsula, Israel/Palestine, Iran and Turkey.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

History 1895. The Indian Ocean in Comparative Perspective: Conference Course

Catalog Number: 8123

Sugata Bose

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Explores the history of the Indian Ocean inter-regional arena in the comparative context of histories of the Atlantic, Mediterranean and the Pacific worlds from the 1490s to the 1990s. The changing meanings of sovereignty, religiously informed universalisms and the links forged by intermediary capital and migrant labor in the age of global empire.

History 1905. Frontiers in Southern African History

Catalog Number: 6526

Heidi Gengenbach

Half course (fall term). M., W., at 10. EXAM GROUP: 3

A thematic introduction to the history of southern Africa from earliest human settlements to the present. Topics include the relationship between environment, politics, and culture; ethnicity and sexuality in Dutch settler communities; slavery; the rise of the Zulu kingdom; missionaries and European imperialism; diamonds, gold, and African workers; Afrikaner nationalism and apartheid; anti-apartheid movements; liberation struggles in Mozambique, Zimbabwe, and Namibia; challenges facing the “New South Africa”; and the politics of historical memory during/after apartheid.

History 1907. West Africa from 1800 to the Present

Catalog Number: 4650

Emmanuel K. Akyeampong

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Explores the internal dynamics of West African states from 1800, and West Africa’s relations with the wider world. Examines African perspectives of colonialism, nationalism, and the transfer of political power. Concludes with the study of the continued struggle of independent West African states to achieve economic independence.



Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

History 1912. Health, Disease, and Ecology in African History: Conference Course

Catalog Number: 5905 Enrollment: Limited to 14.

Emmanuel K. Akyeampong

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Examines the history of disease and health in sub-Saharan Africa from the 19th century to recent times, exploring African and western concepts of health, disease and healing. Illustration through discussion of case studies of individual diseases, including malaria/sickle cell trait, trypanosomiasis, tuberculosis, sexually transmitted diseases, alcoholism, AIDS, and onchocerciasis, and the public health policies affecting them.

Prerequisite: Senior level undergraduate course.

[History 1916. British Colonial Violence in the 20th Century: Conference Course]

Catalog Number: 4626

Caroline M. Elkins

Half course (fall term). Hours to be arranged.

Will explore Britain's deployment of various forms of violence in its 20th-century empire, and how this violence was understood, justified, and represented in the empire and at home. Imperial objectives and policies will be weighed alongside local factors such as race, settler presence, indigenous responses to colonial rule, and economic and strategic interests to assess the universality and particularity of British colonial violence.

Note: Expected to be given in 2008–09.

[History 1917. Human Rights in Africa: An Historical Perspective: Conference Course]

Catalog Number: 4514

Caroline M. Elkins

Half course (fall term). Hours to be arranged.

An examination of the evolution of human rights in sub-Saharan Africa during the 20th century and its impact on states and societies throughout the region. The theoretical underpinnings of international human rights accords will be assessed alongside African conceptualizations of individual rights and community obligations. The tension between concepts of universal rights, civilization, and cultural relativism will be explored through an examination of specific case studies in the colonial and post-colonial periods.

Note: Expected to be given in 2008–09.

History 1918. Colonialism in African History, 1880–1980

Catalog Number: 8022

Heidi Gengenbach

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Explores the background to European colonization of Africa, the diverse and multifaceted encounters between colonizers and African peoples, and the political, economic, and social ramifications of colonial rule. Focusing on African initiatives and local experiences during this period of rapid change, topics include societies of late precolonial Africa; conquest and resistance; mission Christianity; colonial government and “native policy”; cities and workers;



education, tradition and modernity; women, sexuality, and health; youth and popular culture; and African nationalism and independence.

[History 1919. Farmers, Food, and Famine in African History: Conference Course](#)

Catalog Number: 5490

Heidi Gengenbach

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Environmental history of sub-Saharan Africa focusing on changes in rural ecologies, agrarian cultures, and food production systems since the mid-19th century. Topics include strategies of land, water, forest, and wildlife management; indigenous agricultural and conservation science; gender and ecology control; the role of governments (precolonial, colonial, postcolonial) in environmental change; war and rural environments; the politics of famine and food crisis in modern Africa; and debates about rural development policies and programs.

[History 1923. Violence, Substances and Mental Illness: African Perspectives: Conference Course - \(New Course\)](#)

Catalog Number: 9704

Emmanuel K. Akyeampong and Arthur Kleinman

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

An introduction to African perspectives on mental illness, exploring the development and practice of psychiatry as a medical field in Africa, examining the grey areas within psychiatric knowledge, and engaging the ongoing debates about the interface between race, culture and psychiatry. Will review African therapeutic systems; witchcraft, causation and mental health; substance abuse; violence and mental illness; and more recent links between HIV/AIDS, loss and depression.

Cross-listed Courses

[Foreign Cultures 60. Individual, Community, and Nation in Vietnam]

[Historical Study A-13. China: Traditions and Transformations](#)

[Historical Study A-14. Japan: Tradition and Transformation](#)

[Historical Study A-16. The Making of Modern South Asia](#)

[Historical Study B-52. Slavery and Slave Trade in Africa and the Americas]

[Historical Study B-68. America and Vietnam: 1945-1975](#)

[Islamic Civilizations 145. Introduction to Islamic Philosophy and Theology](#)

[Japanese History 111b. The Shogun's Realm, 1600-1868](#)

[Korean History 111. Traditional Korea]

[Literature and Arts C-40. The Chinese Literati](#)

[Literature and Arts C-42. Constructing the Samurai](#)

[Persian 150r. Readings in Persian Historians, Geographers and Biographers](#)

[Studies of Women, Gender, and Sexuality 1220. Harem Fictions: From Montesquieu to Mernissi - \(New Course\)](#)

Primarily for Graduates



History 2822. Readings in 20th-Century Chinese History: Seminar

Catalog Number: 0617

Henrietta Harrison

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Introduction to materials for modern Chinese history, with a particular focus on the 1949 revolution, including memoirs, diaries, gazetteers and government documents. Includes a discussion of translation, handwritten texts, and interviewing for oral history.

Prerequisite: Reading knowledge of Chinese.

***History 2831. Research Topics in Chinese History: Seminar**

Catalog Number: 6017

Philip A. Kuhn

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Primary research on selected topics in Chinese history since the 17th century. Consult instructor for details of the current research topic.

Note: Intended for graduate students with a reading knowledge of Chinese.

[History 2848a. Introduction to Archival Research in Chinese History: Seminar]

Catalog Number: 1863

Philip A. Kuhn

Half course (spring term). Hours to be arranged.

Training in the reading and analysis of the major types of Chinese archival documents from the Qing period and after. Original materials are used, with the aim of preparing students to do doctoral research in China.

Note: Expected to be given in 2007–08. Open to qualified undergraduates with permission of instructor.

Prerequisite: Chinese 106b or equivalent training.

History 2848b. Introduction to Archival Research in Chinese History: Seminar

Catalog Number: 3522

Mark C. Elliott

Half course (fall term). Tu., 1–4. EXAM GROUP: 15, 16, 17

Research papers relating to late imperial history prepared on the basis of original work in archival documents and other primary source materials.

Prerequisite: History 2848a or equivalent.

***History 2851. Japanese History: Seminar**

Catalog Number: 5146 Enrollment: Limited to 15.

Mikael Adolphson, Harold Bolitho and Andrew Gordon

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Prerequisite: Reading knowledge of Japanese.

History 2882. Readings in the History of Iraq, 1900–2005: Seminar

Catalog Number: 4735

E. Roger Owen

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7



Readings selected to provide an understanding of Iraq's 20th-century political and socio-economic history.

History 2884. Topics in Ottoman Social and Cultural History: Seminar

Catalog Number: 3762

Cemal Kafadar and Roy Mottahedeh

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Topic to be announced.

Prerequisite: Reading knowledge of Turkish.

History 2885. Introduction to Archival Research in Ottoman History: Proseminar

Catalog Number: 3274

Cemal Kafadar

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

A survey of archival collections related to Ottoman history. Introduction to the archives of the central government, pious endowments, provincial administrations, and court records.

Prerequisite: Reading knowledge of Turkish.

History 2886. Topics in Islamic History: Seminar

Catalog Number: 3470

Roy Mottahedeh

Half course (spring term). Hours to be arranged.

Topic to be announced.

History 2887b. Debates in the Political and Ideological History of the Middle East: Seminar

Catalog Number: 4102

E. Roger Owen

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Major questions and debates in modern Arab political and ideological writings including Orientalism, Arab and local nationalism, religious revival, power and authority, and the difficulties of establishing democratic institutions.

[History 2909. Themes in Modern Sub-Saharan African History: Proseminar]

Catalog Number: 5840 Enrollment: Limited to 14.

Caroline M. Elkins

Half course (spring term). Hours to be arranged.

An in-depth study of the major themes in sub-Saharan African history from the mid-19th century to the present, including the scholarship and debates on the changing relationship between Africa and the West.

Note: Expected to be given in 2007–08. Open to undergraduates with permission of instructor.

History 2913. Sex and Empire: Seminar

Catalog Number: 0076

Heidi Gengenbach

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

A seminar on the comparative history of European imperialism and colonialism through the



analytical prism of gender and sexuality, including attention to sources, methodologies, and interdisciplinary approaches to this topic.

Cross-listed Courses

[**Chinese History 235r (formerly Chinese History 235). Topics in Warring States History: Seminar**]

[Chinese History 251. Confucian Ethics: Conference Course](#)

[**Korean History 230r. Readings in Premodern Korean History**]

[***Korean History 255r. Modern Korean History: Seminar**]

Historiography and Methodology

For Undergraduates and Graduates

[History 1942. The Historiography of Renaissance and Reformation Europe, 1450-1650: Conference Course](#)

Catalog Number: 5887

Steven Ozment

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

An introduction to Reformation scholarship. Both classic and recent studies are read and discussed, and new fields of research explored. Attention given to a variety of national traditions and to the major historiographical controversies.

[History 1984. Understanding Democracy Through History](#)

Catalog Number: 1517

Alexander Keyssar (Kennedy School)

Half course (spring term). M., W., 2:40–4. EXAM GROUP: 7, 8

Examines the evolution of democracies in different nations over extended periods of time, and will focus on one fundamental issue: Under what circumstances or conditions have democracies (or political rights) expanded, and under what circumstances of conditions have they contracted? Readings will include historical studies as well as comparative theoretical works.

Note: Offered jointly with the Kennedy School as API-703. This course may be lotteried.

Primarily for Graduates

[History 2902. Studies in Tudor and Stuart History](#)

Catalog Number: 1428

Mark A. Kishlansky

Half course (spring term). Hours to be arranged.

A graduate colloquium designed for students preparing preliminary examinations in early modern history or interested in English historiography of the early modern period.

Historiographical papers and reviews.

Note: Open to undergraduates with permission of instructor.



***History 2904. Readings in Japanese History: Proseminar**

Catalog Number: 4041 Enrollment: Limited to 12.

Andrew Gordon

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

A graduate colloquium for students preparing for general examinations in modern Japanese history or interest in English-language historiography of modern Japan.

[History 2910. Feminist Theory and Historiography: Proseminar]

Catalog Number: 8131 Enrollment: Limited to 15.

Afsaneh Najmabadi

Half course (fall term). Hours to be arranged.

An introduction to feminist contributions to “doing history” otherwise. Will review major feminist theoretical propositions and proceed to re-stage the theoretical debates within feminist historiography.

Note: Expected to be given in 2007–08.

[History 2912. What is History? Concepts, Practices, Critique: Seminar]

Catalog Number: 4766

Afsaneh Najmabadi and Judith Surkis

Half course (fall term). Hours to be arranged.

Offers a thematically structured critical introduction to key concepts, methods, and problems of historical practice and writing; examining the history of history, philosophies of history, the relationship of history to other disciplines.

Note: Expected to be given in 2007–08.

Cross-listed Courses

Economics 2333. Historical Perspectives on Current Economic Issues

Sociology 225. Historical Sociology: Studying Continuity and Change: Seminar

Graduate Courses of Reading and Research

***History 3910. Writing History: Approaches and Practices**

Catalog Number: 1358

Daniel L. Smail 5343 and Hue-Tam Ho Tai 6079

Half course (fall term). M., 2–4.

Required of and limited to first-year doctoral students in History and HMES.

Global and Comparative History

For Undergraduates and Graduates

History 1948. The Modern Girl Around the World: Conference Course - (New Course)

Catalog Number: 6944

Uta G. Poiger (University of Washington)

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17



The Modern Girl, known also as flapper, moga, or *garçonne*, appeared in cities around the world in the first half of the 20th century. Provocatively clad and explicitly erotic, Modern Girls seemed to disregard the roles of dutiful daughter, wife, and mother. We examine the flows of commodities, images, and ideas that made the modern girl global and compare debates about her national or colonial incarnations in Europe, the United States, Japan, and West Africa.

History 1949. Shared Values, Different Perspectives: Dutch-European-U.S. Relations Since 1945: Conference Course - (New Course)

Catalog Number: 6459

Ruud Janssens (University of Amsterdam)

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

An analysis of U.S.-European relations since World War II, with an emphasis on Dutch-European and Dutch-American relations. Transnational issues have challenged societies on both sides of the Atlantic Ocean, ranging from nation security to social concerns to cultural questions. Despite radically different responses to these challenges, transatlantic cooperation has remained healthy in general. The aim of the course is to analyze how this cooperation continues in spite of differences of scale or social values.

[History 1957. International Society: Conference Course]

Catalog Number: 3056 Enrollment: Limited to 15.

Erez Manela

Half course (fall term). Hours to be arranged.

An introduction to the development of ideas and institutions of international society in the 20th century, covering the Wilsonian moment, the League of Nations, internationalist ideologies and movements, the United Nations system, human rights, decolonization and development, and non-governmental organizations.

Note: Expected to be given in 2008–09.

History 1958. Islam and Ethnicity: Conference Course

Catalog Number: 4023 Enrollment: Limited to 12.

Terry D. Martin

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Examines the relationship between Islamic religious identity and ethnic identity in the Russian, Ottoman, and Indian empires and their successor states. Inquires into what extent Islam can substitute for, reinforce, or undermine ethnic identity based on theoretical and historical works.

[History 1964. International History: War, Peace, and International Organizations: Conference Course]

Catalog Number: 7774

Charles S. Maier

Half course (fall term). Hours to be arranged.

A comparative approach to the history of international society, including sources of conflict and efforts at peacemaking, imperial and hegemonic regimes, the protection of minorities and human rights, based on the reading and discussion of classic and modern works.

Note: Expected to be given in 2007–08. History 1964 and 1965 are designed particularly for



advanced undergraduates in the international history track of the concentration and graduate students preparing a general examination field in the history of international relations.

[History 1965. International History: States, Markets, and the Global Economy: Conference Course]

Catalog Number: 7148

Niall Ferguson (FAS. Business School) and Charles S. Maier

Half course (spring term). Hours to be arranged.

International economic history and political economy, including strategies of economic development, international trade, migration, finance and monetary relations, based on both theoretical works and specific case studies, and focusing on the period from around 1700 to the present.

Note: Expected to be given in 2007–08. History 1964 and 1965 are designed particularly for advanced undergraduates in the international history track of the concentration and graduate students preparing a general examination field in the history of international relations.

[*History 1966. Oil, Energy, and the Environment: Conference Course]

Catalog Number: 6450 Enrollment: Limited to 15.

Alison F. Frank

Half course (fall term). Hours to be arranged.

Considers the political, economic, environmental, social, and cultural interaction of human society with oil in the nineteenth and, primarily, twentieth centuries. Analyzes the extent to which oil is a global good, held accountable for war, poverty, and prosperity—and the ways in which oil industries are locally, regionally, and nationally colored. Major themes include the influence of oil on social structure, economic development, the physical environment, natural landscapes, national and regional identity, and gender relations.

Note: Expected to be given in 2008–09.

[History 1985. Decolonization in the 20th Century - \(New Course\)](#)

Catalog Number: 9271

Andreas Eckert (University of Hamburg)

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

An exploration of the timing and patterns of decolonization. Topics include the importance of the two World Wars and the Great Depression for decolonization; Pan-Africanism and Asian nationalism; case studies of the end of colonial rule in Africa and Asia; decolonization and after; the empires strike back. Particular emphasis placed on the connections between the local and global, and between European and non-European history, to understand the process of decolonization.

Primarily for Graduates

[History 2906. International History: Seminar](#)

Catalog Number: 0453

Erez Manela

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Research seminar. Course will explore major approaches to the international and global history



of the twentieth century, and the diverse historical sources that inform them. Topics include war, interstate relations, international society, globalization, and the environment.

[History 2911. Theories of International Relations: Seminar]

Catalog Number: 6430

David R. Armitage

Half course (fall term). Hours to be arranged.

An historical introduction to theories of war and peace, sovereignty, diplomacy, colonialism, international law, and international relations since the fifteenth century. Readings include primary and secondary sources.

Note: Expected to be given in 2007–08.

History 2914. Gender and History: Proseminar - (New Course)

Catalog Number: 2657

Uta G. Poiger (University of Washington)

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Tracing interactions between feminist theory and the discipline of history, we examine various approaches for using gender as a category of analysis, approaches geared to understanding a range of power relations from family to empire.

Cross-listed Courses

***American Civilization 200 (formerly *American Civilization 370). Major Works in the History of American Civilization**

Graduate Courses of Reading and Research

***History 3000. Direction of Doctoral Dissertations**

Catalog Number: 4630

Emmanuel K. Akyeampong 3421, David R. Armitage 5023 (on leave 2006-07), Sven Beckert 2415, Thomas N. Bisson 1451, David Blackburn 3203 (on leave fall term), Ann M. Blair 2467 (on leave fall term), Peter K. Bol 8014 (on leave fall term), Harold Bolitho 1176 (on leave spring term), Sugata Bose 3960, Vincent Brown 4638, Joyce E. Chaplin 1058 (on leave 2006-07), John H. Coatsworth 3248 (on leave 2006-07), Elizabeth Cohen 3627, Nancy F. Cott 4261, Albert M. Craig 1847, Caroline M. Elkins 3961 (on leave 2006-07), Drew Gilpin Faust 3857, Niall Ferguson 4938, Alison F. Frank 5313, Andrew Gordon 1891, Peter E. Gordon 3907, James Hankins 1239 (on leave 2006-07), Henrietta Harrison 5161 (spring term only), Rafael Meinardo Hernandez Rodriguez 5705, Evelyn Brooks Higginbotham 3517, Patrice Higonnet 2730, Morton J. Horwitz (Law School) 6272 (on leave spring term), Akira Iriye 1968, Walter Johnson 5616, Christopher P. Jones 3204, Cemal Kafadar 2459, Edward L. Keenan 1825, Alexander Keyssar (Kennedy School) 4323, William C. Kirby 3128, Mark A. Kishlansky 2895, James T. Kloppenberg 3157 (on leave 2006-07), Philip A. Kuhn 8051 (on leave fall term), Angeliki E. Laiou 7282, Jill M. Lepore 4830, Mary D. Lewis 4369, Malinda Maynor Lowery 5320 (on leave 2007-08), Charles S. Maier 7227 (on leave spring term), Erez Manela 4762, Terry D. Martin 2966, Kenneth R. Maxwell 5173, Ernest R. May 1817, Michael McCormick 2849, Lisa M. McGirr 2543, Roy Mottahedeh 1454, John E. Murdoch 1877, Afsaneh Najmabadi 4052 (on leave



fall term), Susan E. O'Donovan 3962 (on leave 2006-07), E. Roger Owen 1028, Steven Ozment 6197, Michael J. Puett 1227, Emma Rothschild 5001, Daniel L. Smail 5343 (spring term only), Rachel St. John 5328, Judith Surkis 4184 (on leave fall term), Roman Szporluk 3033, Hue-Tam Ho Tai 6079, Stephan Thernstrom 4141, Laurel Thatcher Ulrich 1886, John Womack, Jr. 1863, and James Wood 4720

***History 3010. Reading and Research**

Catalog Number: 3424

Emmanuel K. Akyeampong 3421, David R. Armitage 5023 (on leave 2006-07), Bernard Bailyn 1841, Sven Beckert 2415, Thomas N. Bisson 1451, David Blackburn 3203 (on leave fall term), Ann M. Blair 2467 (on leave fall term), Peter K. Bol 8014 (on leave fall term), Harold Bolitho 1176 (on leave spring term), Sugata Bose 3960, Vincent Brown 4638, Elena I. Campbell 5287, Joyce E. Chaplin 1058 (on leave 2006-07), John H. Coatsworth 3248 (on leave 2006-07), Lizabeth Cohen 3627, Kathleen M. Coleman 2289, Nancy F. Cott 4261, Charles Donahue, Jr. (Law School) 2650, Carter J. Eckert 1178, Caroline M. Elkins 3961 (on leave 2006-07), Mark C. Elliott 3329, William L. Fash 1512, Drew Gilpin Faust 3857, Niall Ferguson 4938, Franco Fido 2446, Donald Fleming 1831, Alison F. Frank 5313, Ivan Gaskell 3174, Heidi Gengenbach 5314, Andrew Gordon 1891, Peter E. Gordon 3907, David D. Hall (Divinity School) 2510, James Hankins 1239 (on leave 2006-07), Jay M. Harris 2266, Henrietta Harrison 5161 (spring term only), Rafael Meinardo Hernandez Rodriguez 5705, Evelyn Brooks Higginbotham 3517, Patrice Higonnet 2730, Morton J. Horwitz (Law School) 6272 (on leave spring term), Akira Iriye 1968, Walter Johnson 5616, Christopher P. Jones 3204, Geoffrey Jones (Business School) 5105, Cemal Kafadar 2459, Edward L. Keenan 1825, Duncan M. Kennedy (Law School) 5346, Alexander Keyssar (Kennedy School) 4323, William C. Kirby 3128, Mark A. Kishlansky 2895, James T. Kloppenberg 3157 (on leave 2006-07), Philip A. Kuhn 8051 (on leave fall term), Angeliki E. Laiou 7282, Elisabeth L. Laskin 4712, Jill M. Lepore 4830, Mary D. Lewis 4369, Malinda Maynor Lowery 5320 (on leave 2007-08), Nino Luraghi 2408 (on leave fall term), Charles S. Maier 7227 (on leave spring term), Erez Manela 4762, Terry D. Martin 2966, Kenneth R. Maxwell 5173, Ernest R. May 1817, Michael McCormick 2849, Thomas K. McCraw (Business School) 7371, Lisa M. McGirr 2543, Roy Mottahedeh 1454, John E. Murdoch 1877, Afsaneh Najmabadi 4052 (on leave fall term), Susan E. O'Donovan 3962 (on leave 2006-07), Robert A. Orsi (Divinity School) 4242, E. Roger Owen 1028, Steven Ozment 6197, Orlando Patterson 1091 (on leave fall term), Richard Pipes 1827, Michael J. Puett 1227, Emma Rothschild 5001, Sharmila Sen 2509, Daniel L. Smail 5343, Rachel St. John 5328, Judith Surkis 4184 (on leave fall term), Roman Szporluk 3033, Hue-Tam Ho Tai 6079, Stephan Thernstrom 4141, Laurel Thatcher Ulrich 1886, John Womack, Jr. 1863, James Wood 4720, and Jan Ziolkowski 7275

Half course (fall term; repeated spring term). Fall: F., 1–3; Tu., 3–5; Spring: F., 1–3; Th., 2–4. Instructors listed above under History 3010 supervise individual work in preparation for the General Examination for the PhD degree.

Note: Limited to candidates for the PhD who are in residence, who have been for a year in residence, and who are in good standing in the Graduate School. May ordinarily be taken only in preparation for a field (or fields) to be examined on the General Examination. May not be counted toward the AM degree except by permission of the Department.



History and Literature

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Members of the Steering Committee on Degrees in History and Literature

Jill M. Lepore, Professor of History (*Chair*)

David R. Armitage, Professor of History (*on leave 2006-07*)

Robin M. Bernstein, Assistant Professor of Studies of Women, Gender, and Sexuality and of History and Literature

Homi K. Bhabha, Anne F. Rothenberg Professor of the Humanities

Steven Biel, Senior Lecturer on History and Literature

Ann M. Blair, Henry Charles Lea Professor of History (*on leave fall term*)

Sugata Bose, Gardiner Professor of Oceanic History and Affairs

Lisa T. Brooks, Assistant Professor of History and Literature and of Folklore and Mythology

Julie A. Buckler, Professor of Slavic Languages and Literatures

Lawrence Buell, Powell M. Cabot Professor of American Literature

Daniel G. Donoghue, John P. Marquand Professor of English

James Engell, Gurney Professor of English Literature and Professor of Comparative Literature

Lynn M. Festa, Gardner Cowles Associate Professor of English and American Literature and Language

Jeanne Follansbee Quinn, Lecturer on History and Literature (*Director of Studies*)

Virginie Greene, Professor of Romance Languages and Literatures

Blair Hoxby, Associate Professor of History and Literature (*on leave 2006-07*)

Barbara K. Lewalski, William R. Kenan, Jr. Professor of History and Literature and of English Literature

Louis Menand, Anne T. and Robert M. Bass Professor of English and American Literature and Language

Leah Price, Harvard College Professor and Professor of English and American Literature and Language (*on leave 2006-07*)

Charles E. Rosenberg, Ernest E. Monrad Professor of the Social Sciences

Doris Sommer, Ira Jewell Williams, Jr., Professor of Romance Languages and Literatures (*on leave 2006-07*)

John Stauffer, Professor of English and American Literature and Language and Professor of African and African American Studies

Judith Surkis, Associate Professor of History and of History and Literature (*on leave fall term*)

Affiliated Members of the Committee on Degrees in History and Literature

David D. Hall, John A. Bartlett Professor of New England Church History (*Divinity School*)

Helen Vendler, Arthur Kingsley Porter University Professor

Other Faculty Offering Instruction in the History and Literature Program



Kimberly C. Davis, Lecturer on History and Literature
Rena Fonseca, Lecturer on History and Literature
Geraldine Anne Grimm, Lecturer on History and Literature, Teaching Assistant in Germanic Languages and Literatures
Sara K. Hallisey, Lecturer on History and Literature
Mark G. Hanna, Lecturer on History and Literature, Contin Ed/Spec Prog Instructor
Anna A. Henschman, Lecturer on History and Literature
Charles W. M. Henebry, Lecturer on History and Literature, Preceptor in Expository Writing
Sharon L. Howell, Lecturer on History and Literature
Laura K. Johnson, Lecturer on History and Literature
Stephen H. Kargere, Lecturer on History and Literature
Amy M. Kittelstrom, Lecturer on History and Literature
Max A. Likin, Lecturer on History and Literature
Stephanie M. Lin, Lecturer on History and Literature
Timothy P. McCarthy, Lecturer on History and Literature
John C. McMillian, Lecturer on History and Literature
Jennifer S. Milligan, Lecturer on History and Literature
Sharrona Pearl, Lecturer on History and Literature
Sean M. Pollock, Lecturer on History and Literature
Marie K. Rutkoski, Lecturer on English and American Literature and Language
Scott A. Sowerby, Lecturer on History and Literature
Amy L. Spellacy, Lecturer on History and Literature
Lisa Szeffel, Lecturer on History and Literature, Fellow in the W.E.B. Du Bois Institute for African and African American Research
John E. Tessitore, Lecturer on History and Literature
John P. Walsh, Lecturer on History and Literature
James Wilkinson, Lecturer on History and Literature

Primarily for Undergraduates

***History and Literature 91r. Group Seminars and Supervised Reading and Research**

Catalog Number: 0334

Jeanne Follansbee Quinn and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Each year History and Literature offers small group seminars on selected topics. These courses are posted on the History and Literature website, and are open to nonconcentrators with permission of the instructor. History and Literature concentrators may also arrange individually supervised reading and research courses; the permission of the Director of Studies is required for these individually supervised reading and research courses.

***History and Literature 97. Tutorial — Sophomore Year**

Catalog Number: 4177

Jeanne Follansbee Quinn and members of the Committee

Full course. Hours to be arranged.

Introduction to interdisciplinary methods and to topics in students' chosen fields.

Note: Ordinarily taken by sophomores as a full course. Nonconcentrators wishing to take a half



or full year of the sophomore tutorial may do so with the permission of the Director of Studies. To take one term only, a divide with credit petition must be filed.

***History and Literature 98r. Tutorial — Junior Year**

Catalog Number: 2766

Jeanne Follansbee Quinn and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

An individually supervised study of selected topics in the student's chosen field in History and Literature.

Note: Ordinarily taken as two half courses by juniors. Required of all concentrators.

***History and Literature 99. Tutorial — Senior Year**

Catalog Number: 5362

Jeanne Follansbee Quinn and members of the Committee

Full course. Hours to be arranged.

Research and writing of the senior thesis; preparation for the oral exam.

Note: Ordinarily taken by seniors as a full course. Required of all concentrators.

A list of the courses in other departments that count for History and Literature is available in our office at the Barker Center and at www.fas.harvard.edu/~histlit.

History of American Civilization

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in the History of American Civilization

John Stauffer, Professor of English and American Literature and Language and Professor of African and African American Studies (*Chair*)

Sven Beckert, Professor of History

Ann D. Braude, Senior Lecturer in American Religious History (*Divinity School*)

Lisa T. Brooks, Assistant Professor of History and Literature and of Folklore and Mythology

Lawrence Buell, Powell M. Cabot Professor of American Literature

Joyce E. Chaplin, James Duncan Phillips Professor of Early American History (*on leave 2006-07*)

Lizabeth Cohen, Howard Mumford Jones Professor of American Studies

Nancy F. Cott, Jonathan Trumbull Professor of American History

Margaret Lee Crawford, Professor of Urban Design and Planning Theory (*Design School*) (*on leave 2007-08*)



Henry Louis Gates, Jr., Alphonse Fletcher, Jr. University Professor
 David D. Hall, John A. Bartlett Professor of New England Church History (*Divinity School*)
 Evelyn Brooks Higginbotham, Victor S. Thomas Professor of History and of African and African American Studies
 Jennifer L. Hochschild, Henry LaBarre Jayne Professor of Government and Professor of African and African American Studies
 Morton J. Horwitz, Charles Warren Professor of American Legal History (*Law School*) (*on leave spring term*)
 Walter Johnson, Professor of History
 Robin E. Kelsey, John L. Loeb Associate Professor of the Humanities (*on leave 2006-07*)
 Alexander Keyssar, Matthew W. Stirling, Jr. Professor of History and Social Policy (*Kennedy School*)
 James T. Kloppenberg, David Woods Kemper '41 Professor of American History, Harvard College Professor (*on leave 2006-07*)
 Ellen Condliffe Lagemann, Charles Warren Professor of the History of American Education (*School of Education*)
 Jill M. Lepore, Professor of History
 Malinda Maynor Lowery, Assistant Professor of History (*on leave 2007-08*)
 Lisa M. McGirr, Dunwalke Associate Professor of American History
 Louis Menand, Anne T. and Robert M. Bass Professor of English and American Literature and Language
 Carol J. Oja, William Powell Mason Professor of Music
 Robert A. Orsi, Charles Warren Professor of History of Religion in America (*Divinity School*)
 Julie A. Reuben, Professor of Education (*Education School*)
 Jennifer L. Roberts, Assistant Professor of History of Art and Architecture (*on leave 2007-08*)
 Charles E. Rosenberg, Ernest E. Monrad Professor of the Social Sciences
 Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English (*on leave fall term*)
 Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of African and African American Studies
 Doris Sommer, Ira Jewell Williams, Jr., Professor of Romance Languages and Literatures (*on leave 2006-07*)
 Jason W. Stevens, Assistant Professor of English and American Literature and Language
 Laurel Thatcher Ulrich, 300th Anniversary University Professor

Other Faculty Offering Instruction in the History of American Civilization

Allan M. Brandt, Professor of the History of Science (FAS) and Amalie Moses Kass Professor of the History of Medicine (Medical School)
 David L. Carrasco, Neil L. Rudenstine Professor for the Study of Latin America (*FAS, Divinity School*)
 Joyce E. Chaplin, James Duncan Phillips Professor of Early American History (*on leave 2006-07*)
 Bradley S. Epps, Professor of Romance Languages and Literatures and of Studies of Women, Gender, and Sexuality
 Philip J. Fisher, Harvard College Professor and Felice Crowl Reid Professor of English and



American Literature

William W. Fisher, Hale and Dorr Professor of Intellectual Property Law (*Law School*)

Donald Fleming, Jonathan Trumbull Professor of American History, Emeritus

Akira Iriye, Charles Warren Professor of American History, Emeritus, Charles Warren Research Professor of American History

Barbara E. Johnson, Fredric Wertham Professor of Law and Psychiatry in Society (*on leave 2006-07*)

Despina Kakoudaki, Associate Professor of Visual and Environmental Studies and of Comparative Literature (*on leave spring term*)

Thomas K. McCraw, Isidor Straus Professor of Business History (*Business School*)

Elisa New, Professor of English and American Literature and Language

Susan E. O'Donovan, Associate Professor of African and African American Studies and of History (*on leave 2006-07*)

John R. Stilgoe, Robert and Lois Orchard Professor in the History of Landscape Development

Maria Tatar, John L. Loeb Professor of Germanic Languages and Literatures (*on leave 2006-07*)

Stephan Thernstrom, Winthrop Professor of History

Helen Vendler, Arthur Kingsley Porter University Professor

Ruth R. Wisse, Harvard College Professor, Martin Peretz Professor of Yiddish Literature, and Professor of Comparative Literature (*on leave spring term*)

This program is interdisciplinary. Students are also referred to course offerings at the Design School, Kennedy School, and Law School. For further information about the variety of course offerings in specific departments, consult the office of the Committee, Barker Center 225, 12 Quincy Street.

Primarily for Graduates

[*American Civilization 200 \(formerly *American Civilization 370\). Major Works in the History of American Civilization](#)

Catalog Number: 3662

Walter Johnson

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

A survey of the field, with an emphasis on the range of interdisciplinary methods in the humanities, history, and social sciences.

Note: Required of first and second-year graduate students in American Civilization and open to others by permission of the instructor.

[*American Civilization 201 (formerly *American Civilization 371). Themes in the History of American Civilization]

Catalog Number: 6797

John Stauffer

Half course (fall term). Hours to be arranged.

Interdisciplinary study of one or several topics.

Note: Expected to be given in 2007–08. Required of first and second-year graduate students in American Civilization and open to others by permission of the instructor.



Graduate Courses

***American Civilization 398. Reading and Research**

Catalog Number: 1710

Sven Beckert 2415, Robin M. Bernstein 5411 (spring term only), Allan M. Brandt 3031, Ann D. Braude (Divinity School) 2792 (spring term only), Lawrence Buell 2655, Joyce E. Chaplin 1058 (on leave 2006-07), Lizabeth Cohen 3627, Nancy F. Cott 4261, Margaret Lee Crawford (Design School) 3934 (on leave 2007-08), Bradley S. Epps 2880, Philip J. Fisher 1470, William W. Fisher (Law School) 4257, Donald Fleming 1831, Henry Louis Gates, Jr. 2899, David D. Hall (Divinity School) 2510, Evelyn Brooks Higginbotham 3517, Morton J. Horwitz (Law School) 6272 (on leave spring term), Akira Iriye 1968, Barbara E. Johnson 7626 (on leave 2006-07), Walter Johnson 5616 (spring term only), Despina Kakoudaki 3979 (on leave spring term), Robin E. Kelsey 4132 (on leave 2006-07), Alexander Keyssar (Kennedy School) 4323, James T. Kloppenberg 3157 (on leave 2006-07), Smita Lahiri 4465 (spring term only), Jill M. Lepore 4830, Thomas K. McCraw (Business School) 7371, Louis Menand 4752, Ingrid Monson 1591 (on leave fall term), Elisa New 2428, Susan E. O'Donovan 3962 (on leave 2006-07), Carol J. Oja 4599, Robert A. Orsi (Divinity School) 4242, Julie A. Reuben (Education School) 4428, Jennifer L. Roberts 4407 (on leave 2007-08), Marc Shell 3176 (on leave fall term) (spring term only), Werner Sollors 7424, John Stauffer 1006, Maria Tatar 3645 (on leave 2006-07), Stephan Thernstrom 4141, Laurel Thatcher Ulrich 1886, and Helen Vendler 7226

***American Civilization 399. Direction of Doctoral Dissertation**

Catalog Number: 8803

Sven Beckert 2415, Allan M. Brandt 3031, Lawrence Buell 2655, David L. Carrasco (FAS, Divinity School) 4213, Joyce E. Chaplin 1058 (on leave 2006-07), Lizabeth Cohen 3627, Nancy F. Cott 4261, Philip J. Fisher 1470, William W. Fisher (Law School) 4257, Donald Fleming 1831, Henry Louis Gates, Jr. 2899, David D. Hall (Divinity School) 2510, Evelyn Brooks Higginbotham 3517, Morton J. Horwitz (Law School) 6272 (on leave spring term), Akira Iriye 1968, Walter Johnson 5616 (spring term only), Despina Kakoudaki 3979 (on leave spring term), Alexander Keyssar (Kennedy School) 4323, James T. Kloppenberg 3157 (on leave 2006-07), Jill M. Lepore 4830, Thomas K. McCraw (Business School) 7371, Robert A. Orsi (Divinity School) 4242, Julie A. Reuben (Education School) 4428, Jennifer L. Roberts 4407 (on leave 2007-08), Charles E. Rosenberg 3784, Marc Shell 3176 (on leave fall term), Werner Sollors 7424, John Stauffer 1006, John R. Stilgoe 8032, Stephan Thernstrom 4141, Laurel Thatcher Ulrich 1886, and Ruth R. Wisse 3177 (on leave spring term)

Cross-listed Courses

[**African and African American Studies 131. African-American Literature to the 1920s**](#)

[**English 17x. 19th-Century American Novel**](#)

[**English 177. Art and Thought of the Cold War**](#)

[***English 273. American Literary Emergence and Transatlantic Imagination: Graduate Seminar - \(New Course\)**](#)

[**Government 2335. Power in American Society**](#)

[**\[Government 2392. American Political Ideologies\]**](#)

[**Historical Study A-85 \(formerly History 1640\). The United States since World War II**](#)



[Historical Study A-86 \(formerly History 1692\). Men and Women in Public and Private: the US in the 20th Century](#)

[Historical Study B-49 \(formerly History 1651\). History of American Capitalism History 1610. Confronting Objects/Interpreting Culture: Interdisciplinary Perspectives on North America: Conference Course](#)

[History 1629. Empire for Liberty: The U.S. in the Nineteenth Century - \(New Course\)](#)

[History 1664. African American Intellectual History: Conference Course]

[History 1666. The World of William James: Conference Course]

[History 2600. Readings in Colonial and Revolutionary America: Proseminar](#)

[History 2601. The US in the 20th Century: Seminar](#)

[History 2602. Readings in the History of the US in the 19th Century: Proseminar](#)

[History 2606hf. Early American Social History: Seminar](#)

[History 2607. Readings in the US in the 20th Century: Proseminar]

[History 2610. Race in Early America: Status, Identity, and Power: Seminar]

[History 2616. The Art and Craft of Historical Writing: Seminar]

[History 2630hf. Intellectual History: Seminar]

[*History 2640hf. Workshop in 20th-Century US History](#)

[History 2650hf. The Political Economy of Modern Capitalism: Seminar](#)

[History 2651hf. Cultural Reverberations of Modern War: Seminar - \(New Course\)](#)

[*History 2662hf. Readings in American Thought]

[History of Art and Architecture 172w. American Art and Modernity, 1865–1965](#)

[History of Art and Architecture 175k. American and European Art, 1945–1975 - \(New Course\)](#)

[*History of Art and Architecture 175s. Art and Science in Early America - \(New Course\)](#)

[History of Art and Architecture 175w. Pop Art]

[History of Art and Architecture 197g. Colonial Art - \(New Course\)](#)

[*Literature 172 \(formerly *Comparative Literature 172\). Paralysis](#)

[Music 194rs. Special Topics: Proseminar](#)

[Music 218r. 20th-Century Music: Seminar](#)

[Religion 1439. The History of Christianity: An Introduction to Interpretive Issues]

[Religion 1468. Religion in America: From the Coming of the Europeans to the 1870s]

[Religion 1526. Religion in America from c. 1865 to the 1970s](#)

[Religion 2464. Radical Religion in England and America, 1550–1750: Seminar]

[Social Analysis 66. Race, Ethnicity, and Politics in the United States](#)

[Spanish 243. Foundational Fiction and Other Cultural Agents]

History of Art and Architecture

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION



Faculty of the Department of History of Art and Architecture

Thomas B. F. Cummins, Dumbarton Oaks Professor of the History of Pre-Columbian and Colonial Art (*Chair*)
 Suzanne P. Blier, Allen Whitehill Clowes Professor of Fine Arts and Professor of African and African American Studies
 Benjamin Buchloh, Andrew W. Mellon Professor of Modern Art (*on leave fall term*)
 Joseph Connors, Professor of History of Art and Architecture (*in residence at Villa I Tatti*)
 Frank Fehrenbach, Professor of History of Art and Architecture (*on leave spring term*)
 Jeffrey F. Hamburger, Professor of History of Art and Architecture
 Ioli Kalavrezou, Dumbarton Oaks Professor of Byzantine Art
 Robin E. Kelsey, John L. Loeb Associate Professor of the Humanities (*on leave 2006-07*)
 Ewa Lajer-Burcharth, Harvard College Professor and Professor of History of Art and Architecture
 Carrie Lambert-Beatty, Assistant Professor of History of Art and Architecture and of Visual and Environmental Studies
 Neil Levine, Emmet Blakeney Gleason Professor of History of Art and Architecture
 Yukio Lippit, Assistant Professor of History of Art and Architecture
 David G. Mitten, James Loeb Professor of Classical Art and Archaeology
 Gülru Necipoglu-Kafadar, Aga Khan Professor of Islamic Art
 Alina A. Payne, Professor of History of Art and Architecture
 Jennifer L. Roberts, Assistant Professor of History of Art and Architecture (*on leave 2007-08*)
 Betsey A. Robinson, Assistant Professor of the Classics and of History of Art and Architecture
 David J. Roxburgh, Professor of History of Art and Architecture (*Director of Undergraduate Studies*)
 Victor Stoichita, Zobel de Ayala Visiting Professor of History of Art and Architecture (*University of Fribourg*) (*fall term only*)
 Rabun Taylor, Associate Professor of History of Art and Architecture
 Hugo van der Velden, Professor of History of Art and Architecture (*Director of Graduate Studies, spring term*)
 Eugene Wang, Abby Aldrich Rockefeller Professor of Asian Art (*Director of Graduate Studies, fall term*)
 Irene J. Winter, William Dorr Boardman Professor of Fine Arts
 Henri Zerner, Professor of History of Art and Architecture (*on leave 2006-07*)

Museum Associates Offering Instruction in the Department

Francesca G. Bewer, Lecturer on History of Art and Architecture (*Associate Curator for Research, Straus Center for Conservation, Harvard University Art Museums*)
 Harry A. Cooper, Senior Lecturer on History of Art and Architecture (*Curator of Modern Art, Harvard University Art Museums*)
 Deborah Martin Kao, Senior Lecturer on History of Art and Architecture (*Richard L. Menschel Curator of Photography, Harvard University Art Museums*)
 Narayan Khandekar, Senior Lecturer on History of Art and Architecture (*Senior Conservation Scientist, Straus Center for Conservation, Harvard University Art Museums*)
 Henry W. Lie, Lecturer on History of Art and Architecture (*Senior Conservator of Objects and*



Sculpture, Straus Center for Conservation, Harvard University Art Museums)

Carol C. Mancusi-Ungaro, Senior Lecturer on History of Art and Architecture (*Director of the Center for the Technical Study of Modern Art in the Harvard University Art Museums*)

Robert D. Mowry, Senior Lecturer on History of Art and Architecture (*Alan J. Dworsky Curator of Chinese Art and Head of Asian Art, Harvard University Art Museums*)

Peter Nisbet, Senior Lecturer on History of Art and Architecture (*Daimler-Benz Curator of the Busch-Reisinger Museum*)

William W. Robinson, Senior Lecturer on History of Art and Architecture (*Ian Woodner Curator of Drawings in The Fogg Art Museum*)

Ron Spronk, Lecturer on History of Art and Architecture (*Associate Curator for Research, Straus Center for Conservation, Harvard University Art Museums*)

Stephan S. Wolohojian, Senior Lecturer on History of Art and Architecture (*Curator of Paintings, Sculpture, and Decorative Arts, Harvard University Art Museums*)

Other Faculty Offering Instruction in the History of Art and Architecture

Cheryl Finley, Visiting Professor of African and African American Studies (*Cornell University*)
(*spring term only*)

Melissa M. McCormick, John L. Loeb Associate Professor of the Humanities

Antoine Picon, Professor of the History of Architecture and Technology (*Design School*)

Gloria Ferrari Pinney, Professor of Classical Archaeology and Art, Emerita

Courses in the History of Art and Architecture undergraduate curriculum are structured as a three-tier system, consisting of a sequence of introductory courses, upper-level courses and departmental tutorials. Passage through the sequence from entry level to more advanced classes is encouraged—particularly for prospective concentrators.

History of Art and Architecture (HAA) 1, HAA 10, HAA 11 are general, conceptual introductions to World Art from pre-history to the present, History of Later Western Art, and History of World Architecture, respectively, each of which would serve as a point of entry into the courses and concentration of History of Art and Architecture.

History of Art and Architecture 12–89 constitute field-specific introductions to the major subfields of art history and their associated methodologies. These introductory courses are intended both for students in the concentration and for non-concentrators with an interest in a particular subject within History of Art and Architecture.

History of Art and Architecture 100–199, upper-level courses, tend to focus upon a particular problem or set of materials within a subfield.

Primarily for Undergraduates

[History of Art and Architecture 1. Landmarks of World Art & Architecture - \(New Course\)](#)

Catalog Number: 3951

Neil Levine and members of the Department



Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

Examines major works of world art and architecture and the unique aesthetic, cultural, and historical issues that frame them. Members of the faculty will each lecture on an outstanding example in their area of expertise, drawing from such diverse cultures as Renaissance Italy, modern Europe and America, ancient Mesopotamia, sixteenth-century Persia, early modern Japan, sub-Saharan Africa, and Gothic France. Sections will highlight general themes in the analysis and interpretation of art and architecture.

[History of Art and Architecture 10. The Western Tradition: Art Since the Renaissance]

Catalog Number: 4988

Henri Zerner

Half course (spring term). Hours to be arranged.

Concentrating on painting but with reference to other media, we examine art between the beginning of Modern Times around 1400 until the present. It is team taught and organized around specific topics each occupying one week. It is organized chronologically but does not attempt to be a comprehensive survey, but rather to highlight important issues, debates, innovations, specific works or artists.

Note: Expected to be given in 2007–08.

[History of Art and Architecture 13h. Foundations of Early Civilization: An Introduction to the Art of Ancient Mesopotamia](#)

Catalog Number: 7382

Irene J. Winter

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

Survey of the art and archaeology of ancient Mesopotamia from Uruk through the Neo-Assyrian periods, charting the relationship between the arts and society from the earliest city-states to the beginnings of empire. Includes a survey of archaeological data as well as those art-historical approaches available for analysis of ancient monuments.

[History of Art and Architecture 14k. Art, Faith and Power: Introduction to Early Christian and Byzantine Art - \(New Course\)](#)

Catalog Number: 9156

Ioli Kalavrezou

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

The course will focus on major moments in the history and politics from the age of Constantine I the Great to the Crusades.

[History of Art and Architecture 14n. From the Carolingians to the Capetians: Topics in Medieval Art - \(New Course\)](#)

Catalog Number: 6451

Jeffrey F. Hamburger

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

An introduction to medieval art organized thematically, rather than chronologically, but ranging from Late Antiquity to the Reformation, including many media (architecture, murals, sculpture, stained glass, metalwork, manuscripts) and making maximum use of local collections. Topics include sacred space, nature and the supernatural, secular imagery, Passion piety, pilgrimage,



propaganda, patronage, visions and visionaries, the Apocalypse and medieval conceptions of time and history.

[History of Art and Architecture 17n. Modernism (pre, post, and anti-): 1848–1968]

Catalog Number: 2331

Benjamin Buchloh

Half course (fall term). Hours to be arranged.

The course introduces the complex and contradictory history of modernism in the visual arts of Europe and the US, focusing on central figures (e.g. Manet, Picasso, Duchamp, Warhol) and movements (e.g. Cubism, Dada, Soviet Avant-garde), as much as on the key concepts of that history. Lectures will emphasize the methodological diversity developed within recent art history to theorize and historicize Modernism. Readings will comprise key texts by artists, historians and critics.

Note: Expected to be given in 2007–08.

[History of Art and Architecture 18k. Introduction to Japanese Art](#)

Catalog Number: 7525

Melissa M. McCormick

Half course (fall term). M., W., at 12. EXAM GROUP: 5

Surveys the arts of Japan from the prehistoric period to the nineteenth century. The primary focus will be on Japanese painting, sculpture, and architecture, although calligraphy, garden design, ceramics, and prints will also be explored. Essential themes include the relationship between artistic production and Japanese sociopolitical development, Sino-Japanese cultural exchange, and the impact of religion, region, gender, and class on Japanese artistic practice.

[History of Art and Architecture 51p (formerly History of Art and Architecture 151z). Renaissance Architecture and the Rise of Classicism]

Catalog Number: 6427

Alina A. Payne

Half course (spring term). Hours to be arranged.

Charts the survival, revival and dissemination of classicism in Renaissance Europe. Examines the development of the style, its relationship to shifts in social and political life, its mechanisms of transmission as well as phenomena of exchange, colonial export, and resistance to this pan-European trend.

Note: Expected to be given in 2007–08.

[History of Art and Architecture 70. Introduction to Modern Art and Visual Culture, 1700–1990s](#)

Catalog Number: 4593

Ewa Lajer-Burcharth

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

What is modernity, and what is the place of visual representation within modern culture? What conceptions of individuality, originality, and desire are at work in the idea of “the artist” in the modern period? Traversing different styles—rococo, Neo-classicism, Impressionism, Abstraction—we discuss a range of modern media, from painting, sculpture, prints, and photography to video, installation, and performance art.



***History of Art and Architecture 91r. Directed Study in History of Art and Architecture**

Catalog Number: 1028

David J. Roxburgh and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Limited to juniors and seniors. Students wishing to enroll must petition the Head Tutor for approval, stating the proposed project, and must have the permission of the proposed instructor.

***History of Art and Architecture 97r. Sophomore Tutorial**

Catalog Number: 0935

David J. Roxburgh and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.

***History of Art and Architecture 98ar. Advanced Tutorial**

Catalog Number: 1328

David J. Roxburgh and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.

***History of Art and Architecture 98br. Advanced Tutorial**

Catalog Number: 3507

David J. Roxburgh and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.

***History of Art and Architecture 99. Tutorial - Senior Year**

Catalog Number: 3118

David J. Roxburgh and members of the Department

Full course. Hours to be arranged.

Note: Intended for honors candidates in History of Art and Architecture. Permission of the Head Tutor required.

For Undergraduates and Graduates

***History of Art and Architecture 101. The Materials of Art**

Catalog Number: 5741 Enrollment: Limited to 12.

Henry W. Lie and members of the Department

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

An introduction to the materials and techniques that have been used to produce art objects (paintings, sculpture, works on paper). An emphasis on the physical choices and constraints offered to the artist through the centuries. Problems of description, dating, authenticity, aging, and preservation are considered.

Prerequisite: History of Art and Architecture concentration or two previous art history courses.

History of Art and Architecture 122x. Architecture of the Mediterranean World (1300-1650) - (New Course)



Catalog Number: 9898

Gülru Necipoglu-Kafadar and Alina A. Payne

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Architecture in Christian and Islamic regions of the eastern Mediterranean basin studied in comparative perspective with particular focus on the Italian, Ottoman, and Mamluk courts. Emphasis on cross-cultural encounters, uses of the Romano-Byzantine heritage, transmission of scientific knowledge and technology, patronage and architectural practice, languages of ornament, urban renovation, military architecture, emergence of monumental domed structures, churches, palaces and villas.

Note: Offered jointly with Graduate School of Design (course number to be determined).

***History of Art and Architecture 123y. Monuments of Medieval Islamic Architecture (7th–13th Century)**

Catalog Number: 8101 Enrollment: Limited to 14.

Gülru Necipoglu-Kafadar

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

A contextual study of major monuments focusing on architectural, decorative, and epigraphic programs. Questions of interpretation, meaning and uses of the past addressed by focusing on selected buildings including the Dome of the Rock in Jerusalem; the Great Mosques of Damascus, Baghdad, Samarra, Cordoba, Cairo, Isfahan, Kairouan, Konya, Marrakesh, and Delhi; funerary architecture and palaces. Cross-cultural dialogues in frontier regions of the Islamic world, such as Spain, Sicily, Anatolia and India considered.

[*History of Art and Architecture 124z. Architecture and Dynastic Legitimacy: The Early Modern Islamic Empires (1450-1650)]

Catalog Number: 4604 Enrollment: Limited to 12.

Gülru Necipoglu-Kafadar

Half course (fall term). Hours to be arranged.

In the 16th century, three great regional empires partitioned the central zone of Islam from the Balkans to Bengal. The Mediterranean-based Ottomans, the Safavids in Iran, and the Mughals in India formed separate cultural domains with distinctive architectural and decorative idioms originating from a shared Timurid heritage. The building types each empire emphasized are studied as an index of differing imperial ideologies and theories of dynastic legitimacy.

Note: Expected to be given in 2007–08.

[History of Art and Architecture 133. Greek Architecture and Urbanism]

Catalog Number: 2412

Betsey A. Robinson

Half course (fall term). Hours to be arranged.

An examination of Greek architecture and site organization from the Early Iron Age through the Hellenistic Period. We study civic, sacred, and domestic architecture, the emergence of the polis, colonial foundations, and the evolution of urban planning, from sites in modern Greece and Turkey to southern Italy, northern Africa, and the Levant.

Note: Expected to be given in 2007–08.



***History of Art and Architecture 137. Cross-Cultural Aesthetics: Proseminar**

Catalog Number: 0302 Enrollment: Limited to 15.

Irene J. Winter

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

An inquiry into aesthetic theory as it was developed in Western Europe in the 18th and 19th centuries, and how that approach may be used to examine the art of non-European traditions. After a set of common readings and discussion, students will be asked to select a particular tradition for research, and examine the utility of such concepts as “beauty” cross-culturally. Class presentation and paper.

[History of Art and Architecture 138. Hellenistic Art and Architecture]

Catalog Number: 2327

Betsy A. Robinson

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

The rich and innovative visual culture of the Hellenistic world, ca. 323–31 B. C., from the death of Alexander the Great, through the rise and fall of the Hellenistic kingdoms, and the hellenization of the Romans. Social and physical settings of architecture and art, aesthetic diversification and dissemination, dynastic imagery, and trophy art.

Note: Expected to be given in 2007–08.

History of Art and Architecture 139s. Roman Sculpture - (New Course)

Catalog Number: 9874 Enrollment: Limited to 15.

Rabun Taylor

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

A survey of the immensely rich legacy of sculpture from the Roman world, including freestanding statuary, reliefs, sarcophagi, and sculptural decorative arts such as fine metalwork. The course will begin with a brief chronological sketch of Greek and Roman sculptural development, but the principal approach will be thematic, emphasizing iconography, meaning, and context. Class sessions will combine lecture and seminar formats, with ample time for discussions and presentations.

[*History of Art and Architecture 140h (formerly History of Art and Architecture 40). Court and Cloister in the Later Middle Ages]

Catalog Number: 0734 Enrollment: Limited to 20.

Jeffrey F. Hamburger

Half course (fall term). Hours to be arranged.

Courtly culture and patronage, primarily in Paris, Prague, and Burgundy, with an emphasis on issues of artistic exchange, dynastic commemoration, princely piety, the development of secular genres, and the emergence of the court artist.

Note: Expected to be given in 2007–08. Excursion to New York.

***History of Art and Architecture 143r (formerly *History of Art and Architecture 143m). The Art of the Court of Constantinople**

Catalog Number: 4412 Enrollment: Limited to 12.

Ioli Kalavrezou

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18



Concentrates on art and architecture created for the court of Constantinople from the 9th to the 12th century. Focuses on objects and monuments, exploring their role in political, religious, and personal events.

[History of Art and Architecture 144x. Topics in Early Christian Art]

Catalog Number: 8919 Enrollment: Limited to 12.

Ioli Kalavrezou

Half course (fall term). Hours to be arranged.

The seminar will study selected themes relating to the creation and development of Christian imagery during the first six centuries.

Note: Expected to be given in 2007–08.

***History of Art and Architecture 146x. The Art of Devotion**

Catalog Number: 4493 Enrollment: Limited to 15.

Jeffrey F. Hamburger

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Examines the proliferation of novel forms of devotional practice and devotional art (sculpture, icons, panel painting, manuscript illumination) from the 12th through 15th century. Issues addressed include differences between monastic and lay, male and female, and high and low piety. The course includes close reading of religious literature, in translation, including texts written by and for women. Includes visits to local libraries and museums. No prior knowledge of medieval art required.

History of Art and Architecture 152. Italian Renaissance Art - (New Course)

Catalog Number: 9947

Frank Fehrenbach

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

An overview of the major works, artists, regions, subjects, and functional contexts of painting and sculpture between c. 1400 and 1600, with an emphasis on the dynamics and developments within the period. Major topics include art theory, relationships between art and science, perspective, composition, animation, and style.

[History of Art and Architecture 152e. Fountains of Central Italy, c. 1270–1750]

Catalog Number: 2289

Frank Fehrenbach

Half course (fall term). Hours to be arranged.

A history of the most prestigious public monuments in early modern Italy, between Fontana Maggiore (Perugia) and Trevi Fountain (Rome), including the development of garden fountains, art, urbanism, politics, images of nature.

Note: Expected to be given in 2007–08.

[History of Art and Architecture 155. Problems in Northern Renaissance Art]

Catalog Number: 8827

Hugo van der Velden

Half course (spring term). Hours to be arranged.

Focusing on key monuments, this course is devoted to the visual arts of North-Western Europe,



particularly the Low Countries, France and Germany, during the period 1350-1550. The main topics of the course are: the problem of paradigm and historical periodization, style, patronage, iconography, the use and function of art, self-representation, perspective and the depiction of pictorial space, contemporary awareness of a Northern artistic tradition, art theory, specialization, and the rise of genre.

Note: Expected to be given in 2007–08.

***History of Art and Architecture 170g. The Grid - (New Course)**

Catalog Number: 9803 Enrollment: Limited to 10.

Neil Levine

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Examines one of the most fascinating and contested devices underlying the design of buildings, cities, and works of art in general. Important since antiquity, the grid has become, in the modern era, a characteristic and prevalent way to organize space and form. Examples to be studied will range from the Spanish Law of the Indies and the Jeffersonian Land Survey to the use of the grid by Wright, Le Corbusier, Mies, Mondrian, LeWitt, and others.

History of Art and Architecture 172w. American Art and Modernity, 1865–1965

Catalog Number: 2227

Jennifer L. Roberts

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

An introduction to developments in American art between the Civil War and the Cold War. Thematically focused lectures concentrate on such issues as the shifting status of the art object within an environment of proliferating consumer products, the incorporation of scientific and industrial processes into artistic practice, the continually renegotiated relationship between nationalism and abstraction, and new methods of understanding history and subjectivity in the face of urbanization, mechanized reproduction, and the mass media.

***History of Art and Architecture 173m. The Early Modern Artist**

Catalog Number: 7574 Enrollment: Limited to 12.

Ewa Lajer-Burcharth

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Explores the emergence of artistic individuality in French 18th-century art and culture. What was modern about the 18th-century artist? What were the criteria of artistic self-definition? Among the issues addressed: the cultural myth of the artist; artist vs. critic; artistic identity and the philosophical notions of the self; subjectivity, sexuality, and gender; the artist's touch; authorship; melancholia; eccentricity; the artist's body; fashion. Artists include: Watteau, Chardin, Fragonard, Vigée-Lebrun, David, Girodet. Museum trip(s).

[*History of Art and Architecture 174m. Modern Architecture and its Histories]

Catalog Number: 2229 Enrollment: Limited to 10.

Neil Levine

Half course (spring term). Hours to be arranged.

When and how did modern architecture begin? Who were its leaders? What were its original goals and achievements and how did they change over time? These are some of the questions to be investigated through close readings of the most influential accounts of the movement's history



from the 1920s through the present. Texts studied will include ones by Hitchcock, Johnson, Giedion, Pevsner, Banham, Scully, Frampton, Tafuri, and Colquhoun.

Note: Expected to be given in 2007–08.

[History of Art and Architecture 174s. Body Image in French Visual Culture: 18th and 19th Century]

Catalog Number: 9158

Ewa Lajer-Burcharth

Half course (fall term). Hours to be arranged.

Functions and meanings of the body as privileged visual signifier in French visual arts (painting, sculpture, printed imagery, photography). Body image seen as both instrument of different discourses of modernity and a site of resistance to them. Among the issues addressed: the king's body, republican corporeality; the problem of the nude, bodily spectacles; race; otherness; androgyny; monstrosity; pornography; representations of hysteria; images of desire; fetishism; body and/in space; body and the self.

Note: Expected to be given in 2007–08.

[History of Art and Architecture 175k. American and European Art, 1945–1975 - \(New Course\)](#)

Catalog Number: 6910

Benjamin Buchloh

Half course (fall term). M., W., at 11. EXAM GROUP: 4

This course will examine artistic production in the United States and Europe between 1945 and 1975 to clarify some of the most crucial questions of this thirty year period: How did post war visual culture repress or acknowledge the recent 'caesura of civilization' brought about by World War II?; how did the neo-avantgarde position itself with regard to the legacies of the avantgardes of the 1920s?; how did artistic production situate itself in relation to the newly emerging apparatus of Mass Media culture?

[*History of Art and Architecture 175s. Art and Science in Early America - \(New Course\)](#)

Catalog Number: 2906 Enrollment: Limited to 12.

Jennifer L. Roberts

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Spanning North and South America from the earliest colonial ventures to the mid-nineteenth century, this course will provide a critical examination of the visual arts as agents in the production of scientific knowledge. We will concentrate on botanical and zoological imagery, cartographic models, the collection and display of specimens, and European confrontations with indigenous knowledges.

[History of Art and Architecture 175w. Pop Art]

Catalog Number: 2172 Enrollment: Limited to 12.

Jennifer L. Roberts

Half course (fall term). Hours to be arranged.

An investigation of key themes surrounding the emergence of Pop in the 1950s and 1960s, focusing on developments in the US but also considering international examples. Interprets the movement in terms of the formal challenges it posed to prevailing standards of painting,



sculpture, and photography, as well as its multifaceted philosophical engagements with the broader postwar spectacle of information, consumption, and advertising.

Note: Expected to be given in 2007–08.

[*History of Art and Architecture 178e. Photography in the 19th Century]

Catalog Number: 3505 Enrollment: Limited to 15.

Robin E. Kelsey

Half course (fall term). Hours to be arranged.

Consideration of the origins of photography, the interplay of photography and text, the role of photography in archives, the relationship between photography and the fine arts, the emergence of modern pictorial modes, and other topics.

Note: Expected to be given in 2007–08.

[History of Art and Architecture 185m. Sketch Conceptualism and Its Discontent in Chinese Art]

Catalog Number: 9977 Enrollment: Limited to 12.

Eugene Wang

Half course (fall term). Hours to be arranged.

“Sketch conceptualism” is a traditional practice in Chinese art. It is premised upon the conviction that the use of abbreviated forms and cursory sketches is analogous to writing, which has the potential to capture lofty concepts better than verisimilitude. The ideal has both inspired distinctive works and justified travesties. It has also caused discontent among some artists. The course examines both sides to assess the success and failure of the repeated quests for conceptualism.

Note: Expected to be given in 2007–08.

[History of Art and Architecture 188j. Japanese Architecture - \(New Course\)](#)

Catalog Number: 6988

Yukio Lippit

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

A survey of the diverse architectural traditions of the Japanese archipelago from the prehistoric era through the twentieth century. Various building types—including the Shinto shrine, Buddhist temple, castle, teahouse, palace and farmhouse—will be studied through representative surviving examples. Issues to be explored include the basic principles of timber-frame engineering, the artisanal culture of master carpenters, and the mixed legacy of the functionalist interpretation of Japanese architecture.

[History of Art and Architecture 193. Painting Traditions in Africa]

Catalog Number: 1131 Enrollment: Limited to 12.

Suzanne P. Blier

Half course (fall term). Hours to be arranged.

This pro-seminar examines painting traditions from pre-historic to contemporary works. Critical issues of artistic identity, content, and style discussed.

Note: Expected to be given in 2007–08.



***History of Art and Architecture 195v. Exhibiting Cultures: Museums, Monuments, Representation and Display - (New Course)**

Catalog Number: 3542 Enrollment: Limited to 15.

Cheryl Finley (Cornell University)

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

This seminar explores how contemporary understandings of art, history, and culture are constructed and informed by public displays in museums and the global landscape. Our focus is African and African American art and visual culture. Using case studies, we consider issues of representation, reception and cultural context by examining such topics as the blockbuster exhibition, heritage museums and monuments, the UNESCO Slave Routes Project, the global museum industry, international biennales, and new technologies of display.

Note: Open to qualified undergraduate and graduate students. Field trips to museums and monuments in Boston and New York. Guest speakers include artists and curators.

[History of Art and Architecture 196. Contemporary Art in Africa]

Catalog Number: 8120 Enrollment: Limited to 12.

Suzanne P. Blier

Half course (spring term). Hours to be arranged.

Major art movements in 20th-century Africa as well as critical issues which have framed related discussions will be treated. Painting, sculpture, photography, graphic arts, architecture, and performance traditions will be explored with an eye toward both their unique African contexts and the relationship of these traditions to contemporary art movements in a more global perspective.

Note: Expected to be given in 2007–08.

[History of Art and Architecture 197. The Imperial Arts of the Inca and the Aztec]

Catalog Number: 9976

Thomas B. F. Cummins

Half course (fall term). Hours to be arranged.

This course concentrates on the art and architecture of the two ancient American civilizations, surveying the forms of representation used to establish imperial presence within the accepted vernacular of Mesoamerican and Andean artistic traditions. Special attention is given to the role of art as a means of expressing imperial claims to mythic and historic precedents, upon which political and economic expansion could be realized.

Note: Expected to be given in 2007–08.

History of Art and Architecture 197g. Colonial Art - (New Course)

Catalog Number: 2623

Thomas B. F. Cummins

Half course (fall term). M., W., at 12. EXAM GROUP: 5

Art and Architecture of the 16th/17th c. in the Spanish New World.

***History of Art and Architecture 199g. Global Art: Comparative Approaches in Art History & Ethnography**

Catalog Number: 5255 Enrollment: Limited to 12.

Suzanne P. Blier



Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

The course explores art in global context, among those traditions in Africa, Oceania, and Native America, fields shared by both art history and anthropology. How does each discipline address local perspectives on art? Readings will be drawn from historical and more recent study. Issues addressed will be: approaches to field analysis, comparative perspectives, the role of history, artists, art markets, museums. Students will gain an understanding of the global art forms under consideration, and different disciplinary approaches, as well as questions important to the understanding of visual engagement.

Primarily for Graduates

[*History of Art and Architecture 206. Science and the Practice of Art History]

Catalog Number: 6180 Enrollment: Limited to 12.

Henry W. Lie and staff

Half course (spring term). Hours to be arranged.

Lectures, discussions, and artwork examinations are designed to equip the historian with critical and informed approaches to the range, uses, ambiguities, and instruments currently employed in the scientific, diagnostic investigation of artworks.

Note: Expected to be given in 2007–08.

[*History of Art and Architecture 223x. Islamic Palaces, Pavilions and Gardens - \(New Course\)](#)

Catalog Number: 4156 Enrollment: Limited to 12.

Gülru Necipoglu-Kafadar

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Studies palaces, villas and landscape architecture with reference to late antique and ancient Near Eastern prototypes, and contemporary parallels in non-Islamic courts. Court rituals, uses of the past, discourses of power and pleasure emphasized.

Note: Offered jointly with the Graduate School of Design (course number to be determined).

[*History of Art and Architecture 224e. From Saracenic to Islamic: Exhibiting Islamic Art - \(New Course\)](#)

Catalog Number: 5611 Enrollment: Limited to 12.

David J. Roxburgh

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Examines the history of exhibitions, temporary and permanent, from the 1800s until now. Case studies (installations/institutions) are studied in detail. Wider themes include the genealogy of the museum and critical reception in print media.

[*History of Art and Architecture 224m. Drawing in the Pre-Modern Islamic World]

Catalog Number: 8731 Enrollment: Limited to 12.

David J. Roxburgh

Half course (spring term). Hours to be arranged.

Focuses on drawings from Iran, India and Turkey, ca. 1300-1700. Topics include drawing as a design medium, its growth into an independent art, correspondences between drawing and



writing, and artists Muhammadi and Riza Abbasi.

Note: Expected to be given in 2007–08.

***History of Art and Architecture 230. Hadrian's Villa: Tivoli and Beyond - (New Course)**

Catalog Number: 4796 Enrollment: Limited to 12.

Rabun Taylor

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

An inquiry into the art, architecture, topography, rediscovery, and afterlife of the greatest of all Roman villas, and the powerful personality of the emperor who built it.

***History of Art and Architecture 232. Assyrian Reliefs and the Decorative Programs of Assyrian Palaces**

Catalog Number: 5269 Enrollment: Limited to 12.

Irene J. Winter

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Inquiry into the sculptural programs of Neo-Assyrian palaces, 9th through 7th c. BCE. Special attention will be given to historical context and to royal texts as a way to probe the meaning and visual impact of the reliefs.

***History of Art and Architecture 240r. Byzantine Art**

Catalog Number: 4109 Enrollment: Limited to 12.

Ioli Kalavrezou

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Icon and Relic: Their Role and Place at the Byzantine Court.

[*History of Art and Architecture 241n. Image-Text-Context]

Catalog Number: 1084 Enrollment: Limited to 12.

Jeffrey F. Hamburger

Half course (spring term). Hours to be arranged.

Topics in text and image in medieval manuscript illumination, vernacular and Latin, as well as in other media, making intensive use of local collections (Houghton and Boston Public Library).

Note: Expected to be given in 2007–08. Excursion to Europe, pending funding.

***History of Art and Architecture 242. Issues of Interpretation in Medieval Art**

Catalog Number: 7561 Enrollment: Limited to 12.

Jeffrey F. Hamburger

Half course (fall term). Th., 3–6. EXAM GROUP: 17, 18

A wide-ranging introduction to critical approaches to the study of medieval art, with emphasis on systems of signification, mixing historiography and methodology in a workshop format in which students help set the agenda.

[*History of Art and Architecture 245. Jan and Hubert van Eyck: The Ghent Altarpiece]

Catalog Number: 5639 Enrollment: Limited to 12.

Hugo van der Velden

Half course (fall term). Hours to be arranged.

Focuses on meaning and interpretation, with special attention to the Ghent altarpiece. Themes



include function, ritual, context, court art, competition, and the appreciation of painting in comparison to other media.

Note: Expected to be given in 2007–08.

***History of Art and Architecture 256m. Alberti's Renaissance**

Catalog Number: 3538 Enrollment: Limited to 12.

Alina A. Payne and Frank Fehrenbach

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

Explores Leon Battista Alberti's multifaceted oeuvre with particular emphasis on the artistic and theoretical problems he posed before the artists of his time and subsequent generations.

***History of Art and Architecture 257n. The Medieval Treasury - (New Course)**

Catalog Number: 9439 Enrollment: Limited to 12.

Hugo van der Velden

Half course (spring term). W., 3–6. EXAM GROUP: 8, 9

Explores the function, constitution, significance and interpretation of the late medieval treasure, with special attention to the courts of France, Burgundy, Berry, etc., the Avignon papal court, and churches like St. Denis and Ste. Chapelle.

***History of Art and Architecture 261r (formerly History of Art and Architecture 261v). The King's Body in Spanish Art of the "Siglo de Oro"**

Catalog Number: 8817 Enrollment: Limited to 12.

Thomas B. F. Cummins and Victor Stoichita (University of Fribourg)

Half course (fall term). W., 3–5, F., 10–12. EXAM GROUP: 3, 4, 8, 9

This seminar will engage the visual/pictorial representation of the king's body. The approach will be analytical, concentrating on Spanish art during the 16th/17th c.

***History of Art and Architecture 270p. Paris and the Idea of the Modern City - (New Course)**

Catalog Number: 9012 Enrollment: Limited to 10.

Neil Levine and Antoine Picon (Design School)

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Examines the critical role Paris has played in the birth and development of the idea of the modern city as seen through the multiple perspectives of architecture, art, culture, urban design, and technology.

Note: Offered jointly with the Graduate School of Design as 4409.

[History of Art and Architecture 270r. Topics in 19th-Century Art]

Catalog Number: 7958

Henri Zerner

Half course (spring term). Hours to be arranged.

The topic this term will be graphic arts in the 19th century. Examines the relation of art to industry. Studies techniques, particularly regarding reproduction and the relation of photography to other graphic media.

Note: Expected to be given in 2007–08.



***History of Art and Architecture 271m. Architecture, Display, and Mass Culture in 19th/20th c.**

Catalog Number: 2560 Enrollment: Limited to 10.

Alina A. Payne

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Examines the redefinition of architecture at the turn of the 19th/20th century in both practice and theory in the context of the museum/exhibition movement and the rise of historical (archaeology, art history) and man-based sciences (anthropology, ethnology, psychology).

[*History of Art and Architecture 271n. American Sculpture in the 1960s]

Catalog Number: 2333 Enrollment: Limited to 15.

Benjamin Buchloh

Half course (spring term). Hours to be arranged.

Graduate seminar on sculpture in the US in the 1960s from minimalism through the developments of the decade.

Note: Expected to be given in 2007–08.

***History of Art and Architecture 271x. The Origins of Modernity: The “New” 18th Century**

Catalog Number: 1598 Enrollment: Limited to 12.

Ewa Lajer-Burcharth

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Issues include: art and the public sphere; the birth of the critic; high & low; interiors and interiority; intimacy; artistic identity; sexuality, sexual difference, and gender; the discourse of race. Emphasis on new research and methodologies.

***History of Art and Architecture 272w. Post WW II European Art: France, Italy, Germany**

Catalog Number: 6119 Enrollment: Limited to 15.

Benjamin Buchloh

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Addresses the work of key figures of post-war European art, under the perspective of different, yet complementary conflicts: avantgarde and neo-avantgarde, artistic practices and spectacle culture, aesthetics of repression, trauma and commemoration.

***History of Art and Architecture 275w. The Thing**

Catalog Number: 8955 Enrollment: Limited to 12.

Jennifer L. Roberts

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Investigates the conundrum of "objecthood" in art history, introducing theoretical frameworks for interpreting everything from teapots to minimal sculpture. Interrogates forms of exchange - economic, libidinal, aesthetic, historical- that objects invite (or refuse).

[*History of Art and Architecture 277s. Circa 1970]

Catalog Number: 2286 Enrollment: Limited to 12.

Carrie Lambert-Beatty



Half course (fall term). Hours to be arranged.

Investigation of US artistic production and discourse from the early 1970s, with emphasis on the rubric of the “politicization of the avant-garde” and the periodization of the 60s and 70s.

Comparative looks at Europe and Latin America.

Note: Expected to be given in 2007–08.

[*History of Art and Architecture 279. Semiotics of the Image]

Catalog Number: 3644 Enrollment: Limited to 12.

Robin E. Kelsey

Half course (spring term). Hours to be arranged.

A fresh consideration of the possibilities for semiotic analysis of works of art. Readings will include canonical texts in semiotics, examples of semiotic analysis within art historical scholarship, and promising new accounts of language.

Note: Expected to be given in 2007–08.

[History of Art and Architecture 279k. Seeing Spectatorship - \(New Course\)](#)

Catalog Number: 7691 Enrollment: Limited to 10.

Carrie Lambert-Beatty

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

What happens when attention shifts from art object to viewer? When, why, and how does this occur? Graduate seminar mapping recent reception-oriented approaches in art as well as art history, literary, film, and cultural studies.

[*History of Art and Architecture 279m. Media/Art] - (New Course)

Catalog Number: 6783 Enrollment: Limited to 10.

Carrie Lambert-Beatty

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Graduate seminar exploring theories of medium, the “medial turn” in art practice, art history, cultural theory, and selected case studies in video, conceptual, performance, and new media art.

Note: Expected to be given in 2007–08.

[*History of Art and Architecture 282w. Visual Culture of the Tang Dynasty \(619–906\) - \(New Course\)](#)

Catalog Number: 3238 Enrollment: Limited to 12.

Eugene Wang

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

The course explores ways of constructing narratives out of a variety of art objects and monuments from a crucial moment in Chinese art history.

[History of Art and Architecture 282y. The Visual Culture of Relics in East Asia]

Catalog Number: 2349 Enrollment: Limited to 12.

Eugene Wang

Half course (fall term). Hours to be arranged.

The course examines medieval monastic sites with relic enshrinements in China, Japan, and Korea; seeks to unpack conceptions of body and numinous space invested in the formal



disposition of relics, reliquaries, and the related artifacts.

Note: Expected to be given in 2007–08.

[*History of Art and Architecture 288m. Transmissions: Art and Zen Buddhism]

Catalog Number: 1451 Enrollment: Limited to 12.

Yukio Lippit

Half course (fall term). Hours to be arranged.

An examination of the role certain artifacts and representational practices have played historically in relation to Sino-Japanese Zen Buddhism's claim to represent a special nontextual ("mind to mind") transmission of the Buddha's wisdom.

Note: Expected to be given in 2007–08.

***History of Art and Architecture 288n. The Kano School - (New Course)**

Catalog Number: 1578 Enrollment: Limited to 12.

Yukio Lippit

Half course (spring term). F., 1–3. EXAM GROUP: 6, 7

This seminar examines the ways in which Kano painters amalgamated disparate Japanese painting traditions to achieve a neutral, flexible, and highly influential mode of pictorial representation by the mid seventeenth century.

[History of Art and Architecture 290r. Problems in Latin American Art]

Catalog Number: 7097 Enrollment: Limited to 10.

Thomas B. F. Cummins

Half course (spring term). Hours to be arranged.

Methods and theory of the study of Latin American Art.

Note: Expected to be given in 2007–08.

[*History of Art and Architecture 291r. Topics in Pre-Columbian and Colonial Art]

Catalog Number: 2306 Enrollment: Limited to 12.

Thomas B. F. Cummins

Half course (spring term). Hours to be arranged.

Books and things in the colonial world.

Note: Expected to be given in 2007–08.

***History of Art and Architecture 292p. Topics in Pre-Columbian Andean Art in the Peabody Museum - (New Course)**

Catalog Number: 1832 Enrollment: Limited to 12.

Thomas B. F. Cummins

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Studies of the Collection.

Cross-listed Courses

African and African American Studies 111 (formerly African and African American Studies 231). The Black Arts Movement: Art, Literature, Film, Music - (New Course)
African and African American Studies 174x. African Architecture - (New Course)



[Classical Archaeology 100. Introduction to Classical Archaeology](#)
[Classical Archaeology 143. Two Panhellenic Greek Sanctuaries: Olympia and Delphi](#)
[Classical Archaeology 242. Greek Funerary Art](#)
[Classical Archaeology 244r \(formerly Classical Archaeology 244\). Small Greek Bronze Sculptures of the Human Figure: Seminar](#)
[Classical Archaeology 246. Topography and Monuments of Athens - \(New Course\)](#)
[History 1610. Confronting Objects/Interpreting Culture: Interdisciplinary Perspectives on North America: Conference Course](#)
[Japanese Literature 250r. Gender and Japanese Art - \(New Course\)](#)
[Literature and Arts B-21. The Images of Alexander the Great](#)
[Literature and Arts B-23. The Japanese Woodblock Print - \(New Course\)](#)
[Literature and Arts B-24. Constructing Reality: Photography as Fact and Fiction]
[Literature and Arts B-34. Frank Lloyd Wright and the Modern City and Suburb]
[Literature and Arts B-35. The Age of Sultan Suleyman the Magnificent: Art, Architecture, and Ceremonial at the Ottoman Court]
[Literature and Arts B-46. Art in the Wake of the Mongol Conquests: Genghis Khan and His Successors](#)
[Literature and Arts B-48. Chinese Imaginary Space](#)
[Literature and Arts B-49. Modernisms 1865–1968 - \(New Course\)](#)
[Religion 2348ab. Archaeology and the World of the New Testament: Seminar]
[Visual and Environmental Studies 100b \(formerly 193\). Introduction to Video Art: Art in Media Culture](#)
[*Visual and Environmental Studies 104. Art and Activism since 1989: Culture Jam - \(New Course\)](#)
[Visual and Environmental Studies 180. Film, Modernity and Visual Culture]
[Visual and Environmental Studies 181. Frames of Mind: Approaches to Film Theory]
[*Visual and Environmental Studies 182. Film Architectures: Seminar]
[Visual and Environmental Studies 184. Imagining the City: Literature, Film, and the Arts]
[*Visual and Environmental Studies 185x. Texture Analysis: Film, Fashion, and Material Culture: Seminar]

Graduate Courses of Reading and Research

***History of Art and Architecture 300. Reading and Research**

Catalog Number: 5716

Suzanne P. Blier 3472, Benjamin Buchloh 5325, Joseph Connors 1080, Harry A. Cooper 1728, Thomas B. F. Cummins 3568, Frank Fehrenbach 5013 (on leave spring term), Jeffrey F. Hamburger 3800, Ioli Kalavrezou 2242, Deborah Martin Kao 3345, Robin E. Kelsey 4132 (on leave 2006-07), Ewa Lajer-Burcharth 3373, Carrie Lambert-Beatty 5283, Neil Levine 4178, Henry W. Lie 2575, Yukio Lippit 4713, Carol C. Mancusi-Ungaro 4406, David G. Mitten 1290, Robert D. Mowry 1958, Gülru Necipoglu-Kafadar 1688, Peter Nisbet 1738, Alina A. Payne 4605, Gloria Ferrari Pinney 1384, Jennifer L. Roberts 4407, Betsey A. Robinson 4361, William W. Robinson 2239, David J. Roxburgh 2138, Rabun Taylor 4253, Eugene Wang 3600, Irene J. Winter 1955, Stephan S. Wolohojian 2756, Henri Zerner 3792 (on leave 2006-07), and Hugo van der Velden 4767 (on leave fall term)



Individual work in preparation for the General Examination for the PhD degree or, by arrangement, on special topics not included in the announced course offerings.

***History of Art and Architecture 301. Museum Apprenticeship**

Catalog Number: 1912

Ioli Kalavrezou 2242, and Henri Zerner 3792 (on leave 2006-07)

Members of the Fogg Museum staff.

***History of Art and Architecture 309. Dissertation Colloquium and/or Dissertation Defense**

Catalog Number: 6568

Eugene Wang 3600 and members of the Department

Note: May not be counted toward course requirements for the PhD degree, but is required before the degree may be granted.

***History of Art and Architecture 310. Methods and Theory of Art History**

Catalog Number: 7879 Enrollment: Limited to 14.

Eugene Wang 3600

Half course (fall term). Tu., 1–3.

Note: Limited to incoming graduate students.

***History of Art and Architecture 399. Direction of Doctoral Dissertations**

Catalog Number: 6575

Suzanne P. Blier 3472, Benjamin Buchloh 5325 (on leave fall term), Thomas B. F. Cummins 3568, Frank Fehrenbach 5013 (on leave spring term), Jeffrey F. Hamburger 3800, Ioli Kalavrezou 2242, Robin E. Kelsey 4132 (on leave 2006-07), Ewa Lajer-Burcharth 3373, Carrie Lambert-Beatty 5283, Neil Levine 4178, Yukio Lippit 4713, David G. Mitten 1290, Gülru Necipoglu-Kafadar 1688, Alina A. Payne 4605, Gloria Ferrari Pinney 1384, Jennifer L. Roberts 4407 (on leave 2007-08), Betsey A. Robinson 4361, David J. Roxburgh 2138, Rabun Taylor 4253, Eugene Wang 3600, Irene J. Winter 1955, Henri Zerner 3792 (on leave 2006-07), and Hugo van der Velden 4767

Note: May not be counted toward course requirements for the PhD degree.

History of Science

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of the History of Science

Anne Harrington, Harvard College Professor and Professor of the History of Science (*Chair*)

Jonathan E. Agar, Visiting Associate Professor of the History of Science (*Cambridge University*)



Mario Biagioli, Professor of the History of Science (*on leave 2007-08*)
Allan M. Brandt, Professor of the History of Science (FAS) and Amalie Moses Kass Professor of the History of Medicine (Medical School)
Janet Browne, Aramont Professor of the History of Science (*on leave fall term*)
Jimena Canales, Assistant Professor of the History of Science
Wendy H. Chun, Visiting Associate Professor of the History of Science (*Brown University*)
Marwa S. Elshakry, Assistant Professor of the History of Science
Peter L. Galison, Joseph Pellegrino University Professor
Paolo Galluzzi, Lauro de Bosis Visiting Lecturer on the History of Italian Civilization (*Instituto e Museo de Storia della Scienza*)
Evelynn M. Hammonds, Professor of the History of Science and of African and African American Studies
Sarah Jansen, Associate Professor of the History of Science
Stephanie H. Kenen, Lecturer on the History of Science
Rebecca M. Lemov, Lecturer on the History of Science
Everett I. Mendelsohn
John E. Murdoch, Professor of the History of Science
Katharine Park, Samuel Zemurray, Jr. and Doris Zemurray Stone Radcliffe Professor of the History of Science (*Director of Graduate Studies*) (*on leave spring term*)
Charles E. Rosenberg, Ernest E. Monrad Professor of the Social Sciences
Steven Shapin, Franklin L. Ford Professor of the History of Science (*Director of Undergraduate Studies*)
Adelheid Voskuhl, Assistant Professor of the History of Science

Other Faculty Offering Instruction in the Department of the History of Science

Owen Gingerich, Professor of Astronomy and of the History of Science, *Emeritus*
Erwin N. Hiebert, Professor of the History of Science, *Emeritus*
Gerald Holton, Mallinckrodt Professor of Physics and Professor of the History of Science, *Emeritus*
Sheila S. Jasanoff, Pforzheimer Professor of Science and Technology Studies (*Kennedy School*)
Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology in the Faculty of Arts and Sciences and Professor of Medical Anthropology in the Faculty of Medicine
Martha L. Minow, William Henry Bloomberg Professor of Law (*Law School*)
Robb Moss, Rudolf Arnheim Lecturer on Filmmaking
Sharrona Pearl, Lecturer on History and Literature
Antoine Picon, Professor of the History of Architecture and Technology (*Design School*)
Barbara Gutmann Rosenkrantz, Professor of the History of Science, *Emerita*
A. I. Sabra, Professor of the History of Arabic Science, *Emeritus*

The Department of the History of Science oversees the undergraduate concentration in History and Science and provides the degree of AM and PhD to properly qualified graduate students. The Department also offers instruction in the history of science to students in other fields.

History of Science 90. Junior Seminars



These half courses are limited to 10-12 participants, with preference given to History of Science concentrators in their junior years, since they are ordinarily required to take one of these. Undergraduate non-concentrators may enroll in junior seminars and tutorials on a space available basis. Each of these seminars focuses on enhancing reading and writing skills by delving deeply into a well-defined subject area of the faculty member's interest.

***History of Science 90c. Science, Culture, and the Natural World - (New Course)**

Catalog Number: 2082 Enrollment: Limited to 12.

Sarah Jansen

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Explores the role of environmental sciences and traditional knowledges, their practices and their cultural locations, in constructions of nature, environment, wilderness, and settled landscape, in a global context. Topics include the shaping of the concepts of natural resources and sustainability, narratives of nature, nature as commodity, environmental movements. Readings, films, and art material from different countries, people, and groups at different times.

Note: Preference given to junior concentrators in History and Science.

***History of Science 90e. Exhibiting History of Science at Harvard - (New Course)**

Catalog Number: 4957 Enrollment: Limited to 12.

Sharrona Pearl

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

This is a course about recording and exhibiting a very specific history -- our own. As a class, we will explore the History of Science, and its role in changes in the Harvard curriculum. The class will culminate in an exhibition, curated by students, to be displayed in Lamont Library.

Note: Preference given to junior concentrators in History and Science.

***History of Science 90m. Medicine and Deviance**

Catalog Number: 2795 Enrollment: Limited to 12.

Charles E. Rosenberg

Half course (spring term). M., 4–6. EXAM GROUP: 9

Sociologists and historians have described what they call the medicalization of deviance: explaining certain behaviors as the consequences of disease rather than culpable choice. I refer to a variety of behaviors ranging from homosexuality to substance abuse, from chronic fatigue syndrome to premenstrual syndrome. This course will focus on the interrelated legal, medical, policy, and professional history of such problematic “diseases” during the past century and a half.

Note: Preference given to junior concentrators in History and Science.

[*History of Science 90n. Science, Technology and Medicine in the Modern Middle East]

Catalog Number: 7492 Enrollment: Limited to 12.

Marwa S. Elshakry

Half course (spring term). Hours to be arranged.

Examines the role of science, technology and medicine in the transformation of the modern Middle East. Will explore, among other topics: changing categories of knowledge and traditions of learning; science and Islam; the spread of the printing press and rail; public health and



traditional medicines; the political ecology of oil and water.

Note: Expected to be given in 2008–09. Preference given to junior concentrators in History and Science.

[*History of Science 90s. The Scientific Revolution]

Catalog Number: 4946 Enrollment: Limited to 12.

Mario Biagioli

Half course (fall term). Hours to be arranged.

Examines 16th- and 17th-century transformations in astronomy (in works of Copernicus, Kepler, Galileo, Newton), medicine (Vesalius, Harvey), cosmography (Mercator, Ortelius, Varenius), and natural philosophy (Bacon, Descartes, Newton), as well as in scientific practices (observation, experiment, mathematization) and modes of organization and communication (academies, journals, graphical representations). Placing these developments in their cultural contexts (religious, political, commercial) affords a critical perspective on received historiographical assumptions regarding Scientific Revolution as dramatic episode in origin of modern science.

Note: Expected to be given in 2007–08. Preference given to junior concentrators in History and Science.

***History of Science 90w. The Atom Bomb in History and Culture - (New Course)**

Catalog Number: 0124 Enrollment: Limited to 12.

Everett I. Mendelsohn

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

The decision to make and use the A-bomb; responses from the US, Japan, UK, France, Russia, Germany; the bomb on film, poetry, science fiction, drama; politics of nuclear arms race—USSR, UK, France, China; cultural uses of the nuclear image.

Note: Preference given to junior concentrators in History and Science.

Primarily for Undergraduates

***History of Science 91r. Supervised Reading and Research**

Catalog Number: 1238

Steven Shapin and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Programs of directed reading and research to be conducted by a person approved by the Department.

***History of Science 96. Academic Internship in History and Health Policy**

Catalog Number: 5204

Steven Shapin and members of the Department

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

An opportunity to apply the methods and ideas of the history of health and medicine to understand the practical problems that have framed health policy in 20th-century America, and vice-versa, emphasizing the ways in which transformations in the epistemological and structural foundations of medical care have interacted with the broader public policy: the effects of the market upon standards of care; the rise of the clinical trial and Evidence-Based Medicine; and



health-care reform.

Note: Students are expected to produce substantial research papers based on their classwork and field placements, which are typically arranged with institutions in the Boston area.

***History of Science 97a. Tutorial — Sophomore Year**

Catalog Number: 4719

Steven Shapin

Half course (fall term). M., 4-5:30, and a weekly section to be arranged.

The first term of sophomore tutorial introduces students to major events and works in the history of science. Organized into small tutorial sections to supplement faculty lectures to the entire class.

Note: Required for undergraduate concentration in History and Science.

***History of Science 97b. Tutorial — Sophomore Year**

Catalog Number: 5235

Peter L. Galison

Half course (spring term). M., 4-5:30, and a weekly section to be arranged.

The second term of sophomore tutorial focuses on how research, reading, and writing are done in the history of science, with attention to exemplary secondary works and to relevant archival materials.

Note: Required for undergraduate concentration in History and Science.

***History of Science 98r. Tutorial — Junior Year**

Catalog Number: 1120

Steven Shapin and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

This half of the junior year is a research-oriented tutorial taken in small groups. Focuses on enhancing research and writing skills through the completion a directed research paper on subject matter of the student's interest.

Note: Ordinarily taken by juniors during the term when a History of Science 90 is not taken.

***History of Science 99. Tutorial — Senior Year**

Catalog Number: 6619

Steven Shapin and members of the Department

Full course. Hours to be arranged.

Faculty-led seminar and intensive work with an individual advisor, directed towards production of the senior honors thesis.

Note: Ordinarily taken by seniors as a full course. May be taken as a half course only if special permission is obtained. Students are expected to complete a thesis or submit a research paper or other approved project in order to receive course credit.

For Undergraduates and Graduates

[History of Science 106. History of Ancient Science]

Catalog Number: 3958

John E. Murdoch



Half course (fall term). Hours to be arranged.

An examination of key aspects and issues in the development of ancient science, focusing on natural philosophy from the Presocratics to Aristotle as well as its relation to early Greek medicine and mathematics. Some consideration will also be given to the historiography of natural philosophy within this period.

Note: Expected to be given in 2007–08.

History of Science 107. History of Medieval Science

Catalog Number: 5071

John E. Murdoch

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

A study of the scope and nature of scientific thought in the Latin Middle Ages, with emphasis upon the relation of that thought to other aspects of medieval culture, in particular, religion, philosophy, and the universities.

History of Science 111v. Leonardo da Vinci: The Science of Art and the Art of Science - (New Course)

Catalog Number: 6658

Paolo Galluzzi (Istituto e Museo de Storia della Scienza)

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

The course will focus on the interplay between the thorough scientific inquiry into man and nature conducted by Leonardo da Vinci throughout his life (his sources, style, method, goals and original contributions) and the impassioned re-evaluation of the epistemological dimension of visual representation and of the artists' intellectual and social status, outlined in his Book on Painting, where he defined Painting as the supreme science.

[History of Science 112 (Medicine and Society in Medieval and Renaissance Europe). Health, Medicine and Healing in Medieval and Renaissance Europe]

Catalog Number: 8576

Katharine Park

Half course (fall term). Hours to be arranged.

A survey of medical theory, organization, and practice in the context of other forms of contemporary healing, notably magical and religious. Topics include the gendering of healing and the body, the rise of hospitals and related institutions, and responses to "new" diseases such as syphilis and plague.

Note: Expected to be given in 2007–08.

[History of Science 120. History and Philosophy of Modern Physics]

Catalog Number: 5116

Peter L. Galison

Half course (spring term). Hours to be arranged.

Philosophical questions raised by historical developments in 20th- and 21st century physics, and conversely, historical-scientific questions raised by philosophical inquiry. Special and general relativity. Issues in quantum mechanics surrounding causality, determinism, realism, and probabilism. Atomic and thermonuclear weapons. Growth of large-scale experimental high-energy physics. What is meant by "unified" field theories? Is a reductionist theory of nature



possible? Rise of string theory and nanosciences. Readings: scientific, historical, and philosophical texts.

Note: Expected to be given in 2007–08. Cannot be taken for credit by students who have already taken Physics 120.

[History of Science 123. The “Classical” Universe]

Catalog Number: 6517

Jimena Canales

Half course (fall term). Hours to be arranged.

Challenges the concept of the “classical” physical sciences by drawing on current research from science and technology studies and the philosophy of science. Topics include astronomy, cosmology, metrology, physics. Particular emphasis is placed on the role of visualization and imaging techniques, standards of evidence, industrialization, labor, standardization, imperialism, evolutionary theory, and gender. Debates about determinism, free-will, and the nature of time and space are covered. Focus is on the long nineteenth-century.

Note: Expected to be given in 2007–08.

History of Science 130 (History of Modern Biology). Biology and Society

Catalog Number: 0179

Sarah Jansen

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Introduction to the history of the modern life sciences and their role in society from the 17th century to the Human Genome Project. Examines major models of the natural world and the resonance of biological knowledge with social, economic, and political orders of their times.

[History of Science 132. Environmental History]

Catalog Number: 8673

Sarah Jansen

Half course (fall term). Hours to be arranged.

Environmental sciences, politics, and policies in a global context. Topics to be covered: Pristine nature; built environments; managed forests, agriculture, biodiversity, population and environment in postcolonial contexts; the seas, GM organisms, global warming, environmental risk assessment, narratives of nature. Course materials include films, novels, and policy papers, as well as scientific and other academic papers.

Note: Expected to be given in 2007–08.

[History of Science 138. Conservation, Ecology, and Environment: Conference Course]

Catalog Number: 2390

Everett I. Mendelsohn

Half course (fall term). Hours to be arranged.

An examination of the science and politics of conservation, ecology, and environment, and their cultural location, using some comparative materials from Europe, Russia, and Africa. Particular attention to public organizations, government policy, and scientific knowledge and practice.

Note: Expected to be given in 2007–08.



[*History of Science 140. Sickness and Healing in America]

Catalog Number: 4471

Charles E. Rosenberg

Half course (spring term). Hours to be arranged.

Focuses on disease as well as efforts to understand, prevent, and heal it. We discuss the changing incidence of morbidity and mortality as well as the social and ecological factors that relate to these vital realities of sickness and death. Therapeutic practice and efficacy provides another theme: how were the sick treated? Where were they treated? By whom?

Note: Expected to be given in 2007–08.

[History of Science 149. Medical Technologies in Historical Perspective: Conference Course]

Catalog Number: 2028

Evelynn M. Hammonds

Half course (fall term). Hours to be arranged.

The course examines the ways in which various medical technologies, shaped and were shaped by, physician and nurse practices and goals as well as ideas about patient care in American medicine from the 19th-century to the present. We will look at how the meanings attached to medical technologies grew out of specific historical, social, political and medical contexts. Medical technologies examined include: imaging machines; clinical, diagnostic and genetic tests; reproductive technologies; and artificial organs.

Note: Expected to be given in 2007–08.

[History of Science 150. Science and National Socialism]

Catalog Number: 4168

Sarah Jansen

Half course (spring term). Hours to be arranged.

What was the relationship between science and Nazi politics in Germany before, during, and after 1933-1945? Using texts and films, we will investigate those sciences and scientists who were actively involved in the holocaust, as well as those that contributed in less visible ways. We will examine a specific historical event and its implications, the relationship between the sciences and the state in democracies and totalitarian regimes, and conceptualizations of individual responsibility of scientists.

Note: Expected to be given in 2007–08.

[History of Science 151. Science and Empire]

Catalog Number: 3516

Marwa S. Elshakry

Half course (fall term). Hours to be arranged.

This course examines science and technologies of rule as factors in the expansion of overseas European empires from the 18th to 20th centuries. It explores how colonial administrators deployed a range of scientific concepts and practices from tropical medicine and racial anthropology to urban planning and fingerprinting, and asks what both colonized and colonizers made of these.

Note: Expected to be given in 2007–08.



[History of Science 152. Filming Science]

Catalog Number: 1658

Peter L. Galison and Robb Moss

Half course (spring term). Hours to be arranged.

Examination of the theory and practice of capturing scientific practice on film. Topics will include fictional, documentary, informational, and instructional films and raise problems emerging from film theory, visual anthropology and science studies. Each student will make and edit short film(s) about laboratory, field, or theoretical scientific work.

Note: Expected to be given in 2007–08.

***History of Science 153. History of Dietetics - (New Course)**

Catalog Number: 1409 Enrollment: Limited to 25.

Steven Shapin

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

A survey of the relationships between medical expertise and human eating habits from Antiquity to the present, giving special attention to the links between practical and moral concerns and between expert knowledge and common sense.

[*History of Science 154. Science and Business in Modern America] - (New Course)

Catalog Number: 7942 Enrollment: Limited to 25.

Steven Shapin

Half course (spring term). Hours to be arranged.

A survey of the relationships between the practice of science and the world of commerce in the United States since the beginning of the 20th century. Topics covered include the conduct and image of science in academia and industry, ideas about the connections between science and technology, and the development and understanding of entrepreneurial science.

Note: Expected to be given in 2007–08.

History of Science 155v. Race as Archive - (New Course)

Catalog Number: 0997

Wendy H. Chun (Brown University)

Half course (spring term). Th., 4–6. EXAM GROUP: 18

Examination of the importance of race to the logic and practice of scientific, technological and cultural archives. Engaging the similarities and differences between the categorization of race in these fields, the course will focus on race as a justification for archives more broadly, and race as an archival trace—a documentation of a biological or cultural history. Readings will be theoretical, historical and literary.

[History of Science 157 (formerly History of Science 157v). Sociological Topics in the History of Science]

Catalog Number: 2434

Steven Shapin

Half course (spring term). Hours to be arranged.

An introduction to a series of sociological topics concerning the scientific role, the scientific community, and scientific knowledge that are of special interest to historians. What are the social conditions for the institutionalization of science and for the support of the scientific role? What



are the possibilities for a historical sociology of scientific knowledge? What social pressures have historically been exerted on our overall understanding of science and its relations with society?

Note: Expected to be given in 2007–08.

[History of Science 158. Darwinism: A Global History]

Catalog Number: 4549

Marwa S. Elshakry

Half course (spring term). Hours to be arranged.

Examines the impact of Darwin's ideas across languages, cultures and disciplines from the mid-19th century until WWII. Covering a range of examples from the US, Europe, the Ottoman Empire, Japan, and Russia, we will explore topics including: social Darwinism; eugenics and scientific racism; materialism and socialism; religion and rationality; war and the competition between nations.

Note: Expected to be given in 2007–08.

History of Science 160. Intellectual Property in Science

Catalog Number: 8570

Mario Biagioli

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

We examine different forms of credit for scientific and technological innovation, comparing publication credit in science and use of patents to protect technoscientific work. Readings range from history of technoscience to legal and literary studies.

History of Science 162. Science in the Enlightenment - (New Course)

Catalog Number: 7570

Adelheid Voskuhl

Half course (fall term). M., 4–6. EXAM GROUP: 9

Explores practices of scientific theory, experimentation and observation in Europe and North America, 1681–1815. Topics include: Chemistry, Electricity, Astronomy, Mathematics, Natural History, Newtonianism, Science and the Public Sphere, Science and the State, Science and Rationality, Science and Utility, and Science and the Industrial Revolution.

[*History of Science 171. Narrative and Neurology]

Catalog Number: 3222 Enrollment: Limited to 15.

Anne Harrington

Half course (fall term). Hours to be arranged.

What does it “feel” like to live inside a brain that has been damaged? What role has knowledge of such experience played, or failed to play, in the development of brain science over the past two hundred years? We probe these questions by juxtaposing narratives “about” brain damage with the science “of” brain damage. Readings range from the case histories that launched neurology in the mid-19th century to the essays of Oliver Sacks.

Note: Expected to be given in 2007–08.

History of Science 174. Critical Experiments in the Human Sciences - (New Course)

Catalog Number: 1750



Rebecca M. Lemov

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An examination of critical experiments drawn from the related fields of social psychology, anthropology, sociology, and psychoanalysis—Pavlov, Milgram, Hawthorne, Mead, and Rosenhan—that changed the human sciences and also changed modern social life.

[History of Science 175. Madness and Medicine: Themes in the History of Psychiatry]

Catalog Number: 6245

Anne Harrington

Half course (spring term). Hours to be arranged.

An attempt to integrate the history of medical thought on the nature of madness and the madman with recent historiography on the social history of psychiatry and its institutions. Topics include the birth of the asylum, the challenge of “moral therapy,” madness and the brain, madness from the patient’s point of view, the “discovery of the unconscious,” schizophrenia, and the antipsychiatry movement.

Note: Expected to be given in 2007–08. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

[History of Science 176. Evolution and Human Nature: Conference Course]

Catalog Number: 6736 Enrollment: Limited to 15.

Anne Harrington

Half course (spring term). Hours to be arranged.

Explores the historical attempt to reconcile our understanding of the human mind—and our fundamental experience of our humanness—with evolutionary understandings of human origins since Darwin. Organized topically around classic and exemplary debates on the nature and purpose of consciousness, free will, morality, aggression, religion and more. Readings include Darwin, Wallace, Huxley, Spencer, James, Freud, Lorenz, Chardin, and Wilson. Particular attention to social and ethical context and perceived implications of these debates.

Note: Expected to be given in 2007–08. Preference given to juniors and seniors.

[History of Science 177. Stories Under the Skin: The Mind-Body Connection in Modern Medicine](#)

Catalog Number: 4338

Anne Harrington

Half course (fall term). M., W., at 11. EXAM GROUP: 4

An analysis of the making of modern mind-body medicine as a system of interacting (and partly conflicting) narratives. Why do we believe that certain illnesses have roots in childhood traumas? That the stress of modern life can kill? That positive attitude can heal? That the “East” possesses secrets of mind-body balance that the West has lost? Analytic emphasis on the relationship between scientific research, clinical practice, popular culture, and experiences of illness and recovery.

[History of Science 182. Science, Modernity, and Discontent](#)

Catalog Number: 4322

Jimena Canales

Half course (fall term). M., W., (F.), at 9. EXAM GROUP: 2



Examines theories of modernity (Marx, Freud, Bergson) vis-à-vis postmodernity (Habermas, Lyotard, Jameson) in the context of modern science and technology. Particular emphasis is placed on the development of the steam engine, telegraphy, rail, photography and cinematography and their impact on art, history, psychology, medicine, and urbanism.

Note: A special section will be arranged for students interested in the physical sciences.

History of Science 186. History of Technology: From the Printing Press to the Internet

Catalog Number: 2147

Adelheid Voskuhl

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

Surveys the history of technology in Europe and North America from the mid-fifteenth century to the present. Topics include warfare, agriculture, communication technologies, production and consumption, social change, labor, capitalism, transportation, urbanization, and colonization. Special emphasis on the interrelations between technological artifacts and other forms of “cultural production” such as government, commerce, philosophy, and art.

History of Science 187v. Science, Technology, and Warfare in the 20th Century - (New Course)

Catalog Number: 8943

Jonathan E. Agar (Cambridge University)

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Warfare in the twentieth century devastated peoples and countries, transformed societies, and powerfully shaped the style and content of science. This course examines the complex relationships of science, technology and warfare in conflicts including the First World War, Second World War, Cold War (including Korea and Vietnam) and in the Middle East.

***History of Science 188v. From Nano-systems to Global Systems - (New Course)**

Catalog Number: 8484

Jonathan E. Agar (Cambridge University)

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

An introduction to social studies of technology. Examines technologies at different scales, including nanotechnology, body scale technologies, the home, the street, the city, national and global scale technologies. By taking objects as our primary sources we can recover and interpret practices, and analyse technological systems in ways that complement and extend documentary approaches. Consequently, we will closely examine the display of technological systems in museums.

Cross-listed Courses

East Asian Studies 170. Medicine and the Body in East Asia and in Europe

Environmental Science and Public Policy 78. Environmental Politics

***Freshman Seminar 41q. Medicine, Ethics, and Culture - (New Course)**

***Freshman Seminar 43q. Historian and the Genes—From Mendel to Human Clones - (New Course)**

***Freshman Seminar 45m. The Concept of Race in Science and Medicine in the United States - (New Course)**



***Freshman Seminar 47y. Food, Eating, and Diet**

***Freshman Seminar 48m. The Tobacco Pandemic: History, Culture, Science, and Policy - (New Course)**

[Historical Study A-27. Reason and Faith in the West]

Historical Study A-34. Medicine and Society in America

[Historical Study B-24. Utopia in the Age of the Scientific Revolution]

Historical Study B-45. The Darwinian Revolution - (New Course)

Literature 147. Robots: Imagination, Fiction and Reality - (New Course)

Science A-41. The Einstein Revolution

[Sociology 160. Medicine, Health Policy and Bioethics in Comparative and Global Perspective: Conference Course]

Sociology 190. Life and Death in the US: Medicine and Disease in Social Context

Studies of Women, Gender, and Sexuality 1252. Science, Gender, and Sexuality - (New Course)

Primarily for Graduates

***History of Science 200. Research Methods in the History of Science**

Catalog Number: 5277

Katharine Park and members of the Department

Half course (fall term). Tu., 1:30–4. EXAM GROUP: 15, 16, 17

Introduction to research tools and resources, including libraries, archives, and collections useful for the History of Science at Harvard. Discussion of current methodologies and research practices by members of the Department.

***History of Science 206r. Ancient Science: Seminar**

Catalog Number: 2410

John E. Murdoch

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Topic for 2006-07: Aristotle's doctrine of the prime mover and related issues in his *On the Heavens, Physics and Metaphysics*.

***History of Science 207r. Medieval Science: Seminar**

Catalog Number: 8468

John E. Murdoch

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Topic for 2006-07: Unpublished texts and translations of late medieval Latin atomism. (Readings in translation.)

Note: Reading knowledge of Latin is not required.

History of Science 212. The Sciences of Life, Medicine and the Body in Medieval Renaissance Europe - (New Course)

Catalog Number: 0640

Katharine Park

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Graduate colloquium for students preparing for general examinations in the fields covered by the



course, as well as other students wishing to develop a comprehensive picture of the subject through extensive reading of secondary sources.

Note: Expected to be omitted in 2007–08.

[History of Science 214. Early Modern Science: Proseminar]

Catalog Number: 5732

Mario Biagioli

Half course (fall term). Hours to be arranged.

Intensive survey of the history of science from 1500 to 1750 across disciplinary, national, and institutional contexts. For students preparing early modern fields for their comprehensive exams and for students interested in the scientific revolution.

Note: Expected to be given in 2007–08.

[History of Science 215r. Science and Culture in Late Medieval and Early Modern Europe: Seminar]

Catalog Number: 4568

Katharine Park

Half course (spring term). Hours to be arranged.

Topic for 2007-08: To be announced.

Note: Expected to be given in 2007–08.

Prerequisite: Basic reading knowledge of Latin required. History of Science 112 or other background in Medieval or Renaissance European history recommended.

***History of Science 222r. Research in the History and Philosophy of Physical Sciences**

Catalog Number: 4178

Peter L. Galison

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Students advance their chosen research with the aim of producing a publishable paper. Open to students working in 19th- to 21st-century sciences and technologies, or boundary work within science, art, and architecture.

***History of Science 223. Einstein: Physics, Philosophy, and Culture**

Catalog Number: 8875

Peter L. Galison

Half course (spring term). Hours to be arranged. First meeting Wednesday, February 2, at 9.

[History of Science 230. ‘Science Inc.’: Governing and Funding Knowledge in the Modern Age]

Catalog Number: 1541

Sarah Jansen

Half course (spring term). Hours to be arranged.

States, the private sector, and international organizations as patrons of science and shapers of knowledge. Cases include biotechnologies such as stem cell research and genomics, science policies in international comparison.

Note: Expected to be given in 2007–08.



***History of Science 231v. Who Speaks for Nature? Expertise in the History of Natural History - (New Course)**

Catalog Number: 3074

Jonathan E. Agar (Cambridge University)

Half course (fall term). W., 4–6. EXAM GROUP: 9

This reading course explores the aims, strategies and achievements of those who authoritatively represent nature—those who speak for nature: natural philosophers, scientists, lay experts, and nature writers. Readings will be taken from across the modern period.

History of Science 238. Rethinking the Darwinian Revolution - (New Course)

Catalog Number: 9533

Janet Browne and Everett I. Mendelsohn

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Taking Charles Darwin as a well-documented case study, we will explore the historiography of evolutionary ideas from 1900 on, covering the political, social, and scientific commitments involved in the concept of a "Darwinian Revolution."

History of Science 240. The Body in Health and Disease: Seminar

Catalog Number: 6821

Charles E. Rosenberg

Half course (spring term). W., 4–6. EXAM GROUP: 9

"Sickness" and "health," notions of inappropriate and appropriate behavior, are determined by conceptions of the body and its proper management. Discussion will focus first upon secondary studies and subsequently upon students' research.

[History of Science 242. Caring and Curing]

Catalog Number: 6304

Charles E. Rosenberg

Half course (fall term). Hours to be arranged.

The body and its management in health and disease. Discussions of representative texts, underlining historiographical and substantive issues in the history of medicine, followed by student progress reports and drafts.

Note: Expected to be given in 2007–08.

[History of Science 243. The Making of Modern Medicine]

Catalog Number: 5572

Charles E. Rosenberg

Half course (fall term). Hours to be arranged.

Focus on key works in the history of medicine, illustrating historiographical trends in the past half-century as well as the substantive aspects of the field that have attracted the historical concern.

Note: Expected to be given in 2007–08.

[*History of Science 244. Research in the History of Medical Ethics: Seminar]

Catalog Number: 6301

Allan M. Brandt



Half course (spring term). Hours to be arranged.

Course provides a framework for the historical examination of debates concerning medical ethics, and seeks to identify social, cultural, political, and economic forces that have shaped value conflicts in clinical medicine and health policy. Students are expected to write a research paper utilizing primary and archival source materials.

Note: Expected to be given in 2007–08.

[History of Science 251. Science in Translation]

Catalog Number: 4873

Marwa S. Elshakry

Half course (fall term). Hours to be arranged.

Examines ways in which scientific knowledge is transformed by its translation, appropriation, and interpretation within different socio-cultural and epistemological settings, utilizing theoretical insights from linguistics, sociology, and anthropology and drawing on a number of case studies.

Note: Expected to be given in 2008–09.

***History of Science 253. Bioethics, Law, and the Life Sciences - (New Course)**

Catalog Number: 4500

Sheila S. Jasanoff (Kennedy School)

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Seeks to identify and explore salient ethical, legal, and policy issues – and possible solutions – associated with developments in biotechnology and the life sciences.

Note: Offered jointly with the Kennedy School as STP-321. May not be taken for credit by students who have already taken STP-321 (KSG).

History of Science 254 (formerly History of Science 159). Probability in Science and Society

Catalog Number: 0807

Sarah Jansen

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Explores the history of probability, one of the key concepts of modern science, from the Enlightenment to the present. Topics include reconceptualizations of the individual and the social, and changing notions of truth, facticity, and objectivity.

[History of Science 255. Sociology of Scientific Knowledge]

Catalog Number: 8911

Steven Shapin

Half course (spring term). Hours to be arranged.

Surveys themes and achievements in the sociological study of scientific knowledge and practice, focusing on the historical and cultural contexts in which this work developed and its usefulness in writing the history of science.

Note: Expected to be given in 2007–08.

History of Science 258. The Normal and the Abnormal

Catalog Number: 0817

Charles E. Rosenberg and Arthur Kleinman



Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

We examine case studies and theoretical readings from history, cultural anthropology, and social theory, to compare notions of the normal and abnormal. We ask how do norms bridge the moral, the political, and the body.

Note: Open to undergraduates with the permission of the instructor. May not be taken concurrently with Anthropology 2655.

[History of Science 259. Theories of Race and/in Science: Seminar]

Catalog Number: 9690

Evelynn M. Hammonds

Half course (spring term). Hours to be arranged.

Examines theoretical basis of concepts of race developed by and in modern biology, medicine, epidemiology, anthropology. Compares these scientific theories to historical, sociological, legal, literary, and philosophical analyses of race from 18th century to present.

Note: Expected to be given in 2007–08. A significant research paper is required.

[History of Science 263. Science and/as Literature: Seminar]

Catalog Number: 2704

Mario Biagioli

Half course (spring term). Hours to be arranged.

Considers relationships between science and literature: literary structure of scientific arguments; history of scientific genres; science fiction and representations of science in popular literature; and the relationship between literary plots and scientific arguments.

Note: Expected to be given in 2007–08.

[History of Science 273. Freud and the American Academy]

Catalog Number: 5828 Enrollment: Limited to 15.

Anne Harrington

Half course (fall term). Hours to be arranged.

Freud himself and Freud as used, adapted, and denounced in the academy. Freud himself on hysteria, dreams, the unconscious, sex, religion, and aggression. Appropriations and polemics within psychiatry, philosophy, literary criticism, psychohistory, feminism, brain science.

Note: Expected to be given in 2007–08. Intended to function as a graduate seminar, but advanced undergraduates with appropriate background in psychology or history of science (e.g., HS 175) will be considered.

[History of Science 281. Flat Science: Picturing Knowledge through Print, Photography, and Cinematography]

Catalog Number: 2387

Mario Biagioli and Jimena Canales

Half course (fall term). Hours to be arranged.

Examines imaging techniques from the Scientific Revolution to the twentieth century in astronomy, physiology, and criminology; interactions between art history (Benjamin, Krauss), philosophy (Bergson, Foucault, Deleuze), and science studies; the epistemological status of pictures.

Note: Expected to be given in 2007–08.



History of Science 284. Technology and the Text: Machines and Discourse in Historical and Literary Inquiry - (New Course)

Catalog Number: 6779

Adelheid Voskuhl

Half course (fall term). Th., 4–6. EXAM GROUP: 18

Investigates historically and theoretically the relationship between textuality and technology in recent works as well as in "classics" of the history of technology, cultural theory and literary criticism. Readings include studies in media history, media theory, and theories of materiality and textuality; case studies in history of technology and literary history; and literary and cultural analyses of the mechanical reproduction of poetry and of works of art from 19th- and 20th-c. German and French Social and Cultural Theory.

***History of Science 285a. Science, Power and Politics I - (New Course)**

Catalog Number: 5124

Sheila S. Jasanoff (Kennedy School)

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

This is the fall term of a year-long seminar that introduces students to the major contributions of the field of science and technology studies (S&TS) to the understanding of politics and policymaking in democratic societies.

Note: Offered jointly with the Kennedy School as STP-291. May not be taken for credit by students who have already taken STP-291 (KSG). Either 285a or 285b may be taken as a separate course, but only with permission of the instructor.

***History of Science 285b. Science, Power, and Politics II - (New Course)**

Catalog Number: 5291

Sheila S. Jasanoff (Kennedy School)

Half course (spring term). Tu., 2:10-4. EXAM GROUP: 16, 17

Introduction to major methodological approaches in the field of science and technology studies (S&TS), particularly focusing on the analysis of science politics and policymaking in democratic societies.

Note: Offered jointly with the Kennedy School as STP-292. May not be taken for credit by students who have already taken STP-292 (KSG). Either 285a or 285b may be taken as a separate course, but only with permission of the instructor.

History of Science 286. History of Technology: Reformation to the Present - (New Course)

Catalog Number: 0767

Adelheid Voskuhl

Half course (spring term). F., 4–6.

Survey of history of technology during early modern and modern periods in Europe, North America, and Asia. Readings include social and cultural histories of technology, classics in the theory of technological modernity, and primary sources.

***History of Science 290r (Selected Topics in History and Philosophy of Biology). History and Philosophy of the Biological Sciences**

Catalog Number: 8108

Everett I. Mendelsohn



Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Biology in the 20th c., changing practices of experimentation, life at the molecular level, the Reductionism debates: What happened to evolution?

Prerequisite: Ordinarily one half course at the advanced level in history or philosophy of biology.

[*History of Science 295r. Scientific and Legal Doubt: Inter-School, Faculty-Student Workshop](#)

Catalog Number: 8360 Enrollment: Limited to 15.

Peter L. Galison and Martha L. Minow (Law School)

Half course (fall term). W., 4–6. EXAM GROUP: 9

Is climate change due to human intervention? What are the effects of tobacco, asbestos, low-level radiation? Is Darwinism "just a theory"? We will produce a student-faculty-guest expert "commission report" on doubt in science and law.

Note: Open to graduate students, undergraduates, law students, and others by permission of the instructors.

[History of Science 297r. Topics in the History of Medieval Latin Science](#)

Catalog Number: 5050

John E. Murdoch

Half course (spring term). Hours to be arranged.

Topic to be announced.

Note: First meeting: Thursday, February 1, at 4 pm in Science Center 359.

Prerequisite: Reading knowledge of Latin.

[*History of Science 298r. The Establishment of Medieval Latin Scientific and Philosophical Texts: Seminar](#)

Catalog Number: 4893

John E. Murdoch

Half course (spring term). Hours to be arranged.

Note: First meeting: Thursday, February 1, at 4:30 pm in Science Center 359.

Prerequisite: Knowledge of Latin, but no previous experience with paleography required.

Cross-listed Courses

[East Asian Studies 230. The History of East Asian Medicine: Seminar]

Graduate Courses of Reading and Research

***History of Science 300. Direction of Doctoral Dissertations**

Catalog Number: 3388

Mario Biagioli 1756 (on leave 2007-08), Allan M. Brandt 3031, Janet Browne 5511 (on leave fall term), Jimena Canales 5070, Marwa S. Elshakry 4884, Peter L. Galison 3239, Evelyn M. Hammonds 4545, Anne Harrington 1895, Sarah Jansen 4107, Everett I. Mendelsohn 2700, John E. Murdoch 1877, Katharine Park 2974 (on leave spring term), Charles E. Rosenberg 3784, Steven Shapin 3984, and Adelheid Voskuhl 5569



Note: Under special circumstances arrangements may be made for other instruction in guidance for doctoral dissertations.

***History of Science 301. Reading and Research**

Catalog Number: 5641

Mario Biagioli 1756 (on leave 2007-08), Allan M. Brandt 3031, Janet Browne 5511 (on leave fall term), Jimena Canales 5070, Marwa S. Elshakry 4884, Peter L. Galison 3239, Owen Gingerich 1159, Evelyn M. Hammonds 4545, Anne Harrington 1895, Erwin N. Hiebert 1187, Gerald Holton 1883, Sarah Jansen 4107, Sheila S. Jasanoff (Kennedy School) 2248, Everett I. Mendelsohn 2700, John E. Murdoch 1877, Katharine Park 2974 (on leave spring term), Antoine Picon (Design School) 4295, Charles E. Rosenberg 3784, Barbara Gutmann Rosenkrantz 3651, A. I. Sabra 2702, Steven Shapin 3984, and Adelheid Voskuhl 5569

Individual work in preparation for the General Examination for the PhD degree.

***History of Science 302. Guided Research**

Catalog Number: 5282

Mario Biagioli 1756 (on leave 2007-08), Allan M. Brandt 3031, Janet Browne 5511 (on leave fall term), Jimena Canales 5070, Marwa S. Elshakry 4884, Peter L. Galison 3239, Owen Gingerich 1159, Evelyn M. Hammonds 4545, Anne Harrington 1895, Erwin N. Hiebert 1187, Gerald Holton 1883, Sarah Jansen 4107, Sheila S. Jasanoff (Kennedy School) 2248, Everett I. Mendelsohn 2700, Robb Moss 1392, John E. Murdoch 1877, Katharine Park 2974 (on leave spring term), Antoine Picon (Design School) 4295, Charles E. Rosenberg 3784, Barbara Gutmann Rosenkrantz 3651, A. I. Sabra 2702, Steven Shapin 3984, and Adelheid Voskuhl 5569

Through regular meetings with faculty advisor, each student will focus on research and writing with the purpose of developing a publishable research paper.

Human Evolutionary Biology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Anthropology Offering Instruction in Human Evolutionary Biology

John C. Barry, Lecturer on Anthropology

Judith F. Chapman, Lecturer on Anthropology

Peter T. Ellison, John Cowles Professor of Anthropology

Carole K. Hooven, Lecturer on Anthropology, Temporary OT Eligible, Concentration Advisor

Alain Houle, Lecturer on Anthropology, Teaching Assistant in Anthropology, Contin Ed/Spec Prog Instructor

Cheryl D. Knott, Associate Professor of Anthropology



Daniel E. Lieberman, Professor of Anthropology (*Head Tutor, spring term*) (*on leave fall term*)
 Susan F. Lipson, Lecturer on Anthropology
 David Pilbeam, Henry Ford II Professor of Human Evolution (*Head Tutor, fall term*)
 Maryellen Ruvolo, Professor of Anthropology
 Katherine K. Whitcome, Lecturer on Anthropology
 Richard W. Wrangham, Harvard College Professor and Ruth Moore Professor of Biological Anthropology (*on leave 2006-07*)

Human Evolutionary Biology is an undergraduate concentration offered by the Biological Anthropology faculty of the Department of Anthropology and provides a general foundation in human and organismic biology as part of the Life Sciences cluster of concentrations. Human Evolutionary Biology addresses why humans and primates are the way they are from an evolutionary perspective. Understanding the biological bases for the behavioral and physical traits that distinguish humans from other primates is one of the great challenges of modern biology, and is the focus of Human Evolutionary Biology. Human Evolutionary Biology is also linked to the social sciences at Harvard, and complements the pre-existing track in Biological Anthropology within the Anthropology Concentration. Students interested in addressing questions about human and non-human primate cognition from the perspective of human evolutionary biology also may pursue a special program of study affiliated with the University-wide Mind, Brain, and Behavior Initiative.

Primarily for Undergraduates

***Human Evolutionary Biology 91r. Supervised Reading and Research - (New Course)**

Catalog Number: 3631

David Pilbeam and Daniel E. Lieberman

Half course (fall term; repeated spring term). Hours to be arranged.

Special study of selected topics in Human Evolutionary Biology, given on an individual basis and directly supervised by a member of the Biological Anthropology Faculty. May be taken for a letter grade or Pass/Fail. Signature of faculty supervisor required.

***Human Evolutionary Biology 97y. Sophomore Tutorial in Human Evolutionary Biology - (New Course)**

Catalog Number: 2205

David Pilbeam and Daniel E. Lieberman

Half course (spring term). Hours to be arranged.

An introduction to the issues and methods of biological anthropology, including evolutionary theory and its application to humans. Focuses on the comparison of primate and human physiology and social behavior as ecological adaptations and their application to understanding human evolution. Weekly readings, discussions, and short writing assignments, with a final research paper and presentation.

Note: Required of and limited to human evolutionary biology concentrators.

***Human Evolutionary Biology 99. Tutorial—Senior Year - (New Course)**

Catalog Number: 2840

David Pilbeam and Daniel E. Lieberman



Full course (indivisible). Hours to be arranged.

Research and writing of the Senior Thesis. Limited to honors candidates. Signature of the faculty advisor required.

For Undergraduates and Graduates

Human Evolutionary Biology 1310 (formerly Anthropology 1310). Behavioral and Reproductive Endocrinology

Catalog Number: 2265

Peter T. Ellison

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

An introduction to the interaction between hormones and behavior, emphasizing research in primates, especially humans. General principles of endocrine physiology are presented. Next, the course focuses on sexual differentiation and the organizing and activation effects of hormones on the brain. Then we will explore the ecology of human reproduction, including the hormonal regulation of life history strategy, energy metabolism, mating, seasonality, and parental behavior. Delves into the hormones and the psyche.

Human Evolutionary Biology 1312. Human Sexuality: Research and Presentation Seminar - (New Course)

Catalog Number: 5008 Enrollment: Limited to 15.

Judith F. Chapman

Half course (spring term). F., 1–3. EXAM GROUP: 6, 7

An examination of human sexuality from a scientific perspective. Students will read and present primary scientific literature that highlights current research on a variety of topics including: sexual development, gender identity, sexual orientation, cross cultural variations in mating systems, promiscuity, the evolution of monogamy, sexual attraction, sexual communication, including an exploration of the existence of human pheromones, libido and sexual dysfunction.

Human Evolutionary Biology 1330 (formerly Anthropology 1330). Primate Social Behavior

Catalog Number: 4332

Alain Houle

Half course (fall term). Tu., Th., 1:30–3. EXAM GROUP: 15, 16

A review of the behavioral interactions in natural primate populations, drawing on experimental, observational, and theoretical studies. Discussion of ecological, physiological, and developmental bases of primate social behavior, with special attention to the evolution of patterns of behavioral interactions among individuals of different age, sex, relatedness, and status. Topics include sexual conflict, sexual selection, and mating systems; care of offspring and other aid-giving; manipulative and cooperative aspects of communication; competition, dominance, and territoriality; and the evolution of social relationships.

Prerequisite: Introductory biology or Science B-29 or permission of Instructor.

Human Evolutionary Biology 1345. Human Structure - (New Course)

Catalog Number: 4433

Katherine K. Whitcome

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13



This course examines the evolution, structure and function of the human body, with an emphasis on the musculo-skeletal system. Particular attention will be paid to key adaptations and features that have played critical roles in human evolutionary history such as locomotion, mastication, manipulation, the brain, and reproduction.

[Human Evolutionary Biology 1350. Evolutionary Human Physiology] - (New Course)

Catalog Number: 9105

Peter T. Ellison

Half course (spring term). Hours to be arranged.

A review of human physiology from an evolutionary perspective, stressing current research problems, covering conception and pregnancy, birth, childhood growth, metabolism, immune function, reproductive function, aging and senescence. This course assumes a basic knowledge of human physiology as preparation for a more in depth consideration of evolutionary problems and perspectives.

Note: Expected to be given in 2007–08.

Prerequisite: At least one college-level course in biology is strongly recommended.

[Human Evolutionary Biology 1355. Darwin Seminar: Evolution and Religion] - (New Course)

Catalog Number: 8314

Peter T. Ellison

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

A course on the intellectual history of evolution with rotating topics. The focus this year will be on the relationship between evolution and religion which has been a significant force in the social response to evolutionary theory from the 19th century to the present. We will consider this relationship from a number of perspectives, relying on the reading of primary texts from Paley to Dennett. We will consider both religious critiques of Darwinian evolutionary theory and evolutionary approaches to understanding religion.

Note: Expected to be given in 2007–08.

[Human Evolutionary Biology 1360 (formerly Anthropology 1360). Human Evolution]

Catalog Number: 8292

David Pilbeam

Half course (spring term). Hours to be arranged.

What makes us human? We will explore this question from a biological perspective by surveying human evolution, from the appearance of our earliest ancestors to the emergence of our own species. Evolutionary theory, behavioral ecology, molecular systematics, and functional morphology, in combination with hands-on examination of fossil materials, are used to reconstruct how and why humans evolved. Emphasis is placed on developing a broader biological framework for the study of human adaptation and evolution.

Note: Expected to be given in 2008–09.

[Human Evolutionary Biology 1365 \(formerly Anthropology 1365\). Sex Differences in Humans: Research Seminar](#)

Catalog Number: 3432 Enrollment: Limited to 15.

Carole K. Hooven



Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Why are men and women different? This course will use an evolutionary perspective to investigate the significance of sex differences in human physiology, behavior and cognition. Students will gain a grounding in the biological processes that lead to differences in male and female bodies and brains. We'll then discuss topics such as sex differences in cognition and dominance behavior, emphasizing the role of sex hormones.

[Human Evolutionary Biology 1368. Evolution of Human Cognition] - (New Course)

Catalog Number: 0389

Half course (fall term). Hours to be arranged.

An exploration of the evolutionary basis of human cognition. Topics include: how the structure and function of the brain relates to behavior; the significance of differences between brains of humans and non-human animals, male and female humans; how hormones affect information processing in humans. Drawing on evidence from fields such as neurobiology, endocrinology, evolutionary psychology, and primatology.

Note: Expected to be given in 2007–08.

Human Evolutionary Biology 1380 (formerly Anthropology 1380). The Behavioral Biology of Women

Catalog Number: 8721

Cheryl D. Knott

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An exploration of female behavior focusing on evolutionary, physiological, and biosocial aspects of women's lives from puberty, through reproductive processes such as pregnancy, birth, lactation, to menopause and aging. Also explores female life history strategies in different cultural settings. Topics include cognitive and behavioral differences between men and women; violence against women; and women's reproductive health choices. Examples are drawn from traditional and modern human societies and data from nonhuman primates are considered.

***Human Evolutionary Biology 1412 (formerly *Anthropology 1412). Social Dominance and Competition Among Wild Primates: Research Seminar**

Catalog Number: 1783

Alain Houle

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Explores questions about contest and scramble competition among wild primates, with emphasis on the chimpanzee. Lectures discuss the influence of social dominance and other forms of competition on primate behavior, including social relationships, alliances, foraging, nutrition, health, and reproduction. Introduction to warfare and other conflicts among humans. Projects will involve analyzing foraging data from populations of wild chimpanzees, red-tailed monkeys, and blue monkeys, and nutritional experiments could be conducted at the Laboratory of Nutritional Ecology.

Human Evolutionary Biology 1414. Evolution of Human Diet: Research Seminar - (New Course)

Catalog Number: 9881



Cheryl D. Knott

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

An exploration of modern controversies in human nutrition from an evolutionary perspective, using primate and human dietary adaptations, digestive physiologies, feeding behavior and ecology. We will explore topics including: nutritional requirements, optimal foraging, maternal and infant nutrition, the nature of early hominid diets, the role of hunting and carnivory in human evolution, and finally, the nutritional impact of agriculture and technology on dietary composition and modern human diets.

Human Evolutionary Biology 1415 (formerly Anthropology 1415). Primate Evolutionary Ecology: Research Seminar

Catalog Number: 6341

Cheryl D. Knott

Half course (fall term). M., at 2, W., 2–4. EXAM GROUP: 7, 8

An exploration of interactions between primates and their environments in an evolutionary context. Lectures discuss the influence of ecological processes on primate behavioral and morphological adaptations. Topics include environmental influences on social structure, mating systems, ranging and intergroup spacing, diet and nutrition, juvenile development, and reproductive and energetic physiology. Comparisons between the great apes are emphasized. Projects will involve learning methods of primate observation, energetic analysis and ecological investigation to explore socioecological questions using local vertebrates.

Prerequisite: An introductory course in Biology, Science B-29, or permission of instructor.

***Human Evolutionary Biology 1418 (formerly *Anthropology 1418). Endocrinology and Behavior: Research Seminar**

Catalog Number: 1437 Enrollment: Limited to 8.

Susan F. Lipson

Half course (fall term). M., W., at 11 and a weekly laboratory either M. or W., 2-5. EXAM GROUP: 4

An introduction to laboratory techniques and research design in behavioral endocrinology. Students develop and conduct pilot research projects.

Note: Preference given to human evolutionary biology and biological anthropology concentrators and graduate students.

Prerequisite: Anthropology 1310 or Anthropology 1380 strongly recommended.

[Human Evolutionary Biology 1420 (formerly Anthropology 1420). Human Anatomy]

Catalog Number: 6233

Daniel E. Lieberman

Half course (fall term). Hours to be arranged.

An integrative overview of human anatomy, with a focus on the musculo-skeletal system, including aspects of developmental biology, functional morphology, and physiology. Topics include: muscle and skeletal development, anatomy, and histology; the biomechanics of muscles and bones; craniofacial growth and development; the functional morphology of chewing, respiration, vocalization, locomotion, and other activities. Special attention paid to the unique aspects of human anatomy.

Note: Expected to be given in 2007–08. No prior knowledge of anatomy is required.



[Human Evolutionary Biology 1425 (formerly Anthropology 1425). Primate and Human Nutrition: Research Seminar]

Catalog Number: 7064

Richard W. Wrangham

Half course (spring term). Hours to be arranged.

An introduction to laboratory study in the biochemical analysis of plant and animal foods, and of human and animal digestive physiology and feeding behavior. Topics include nutritional requirements, primate and human dietary adaptations and the nature of early hominid diets. Projects may include laboratory analyses of plant and animal foods, including samples collected from ongoing wild primate field projects or modern hunter/gatherer projects.

Note: Expected to be given in 2007–08.

***Human Evolutionary Biology 1463 (formerly *Anthropology 1463). Molecular Evolution of the Primates**

Catalog Number: 3359

Maryellen Ruvolo

Half course (fall term). W., 1–4. EXAM GROUP: 6, 7, 8

Introduction to the primates, emphasizing their molecular evolutionary history and the forces that mold their genomes. Topics include the neutral theory of molecular evolution, molecular clock concept and its applications, evolution of multigene families, relationships between primate morphological and molecular evolution, molecular convergences, evidence for horizontal gene transfer in primate genomes, and evolution of simian and human immunodeficiency viruses, color vision genes.

Prerequisite: Life Sciences 1b.

[*Human Evolutionary Biology 1494r (formerly *Anthropology 1494r). The Hominid Fossil Record]

Catalog Number: 2462

David Pilbeam

Half course (spring term). Hours to be arranged.

A lecture-laboratory course on the fossil record of Hominidae, focusing on analysis and interpretation of the record based on casts.

Note: Expected to be given in 2007–08. Fulfills the research seminar requirement for human evolutionary biology and biological anthropology concentrators.

Prerequisite: Science B-27 or Anthropology 1420.

[Human Evolutionary Biology 1560r (formerly Anthropology 1560r). Biology of Aggression]

Catalog Number: 6107

Richard W. Wrangham

Half course (spring term). Hours to be arranged.

Discussion will focus on primate inter-group aggression, with particular attention to humans and chimpanzees. The course will be based around a behavioral-ecological perspective but will include readings from various disciplines, including behavioral ecology, behavioral genetics, social psychology, developmental psychology, neurobiology, social anthropology, political



science, and international relations.

Note: Expected to be given in 2008–09.

***Human Evolutionary Biology 1580 (formerly *Anthropology 1580). Paleocology and Human Evolution**

Catalog Number: 3509

John C. Barry

Half course (spring term). Tu., 1:30–3:30. EXAM GROUP: 15, 16, 17

A lecture-seminar course on the principles of paleocology, including methods used to reconstruct past climate and ecosystems. There will be an emphasis on the ancient environments and paleocology of early hominids. May be taken as a Research Seminar in Biological Anthropology.

Prerequisite: Permission of instructor.

Cross-listed Courses

***Freshman Seminar 21j. Human Evolution**

***Freshman Seminar 26q. Testosterone and Human Behavior - (New Course)**

Life Sciences 1b. An Integrated Introduction to the Life Sciences: Genetics, Genomics, and Evolution

MCB 205 (formerly Biological Sciences 205). Introduction to Graduate Study in Genetics and Genomics

***OEB 121a. Advanced Structure and Physiology of the Vertebrates**

Quantitative Reasoning 34. Counting People: Demography and Human Affairs

Science B-27. Human Evolution

Science B-29. Evolution of Human Nature

Inner Asian and Altaic Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Inner Asian and Altaic Studies

Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies (*Chair*)

Mark C. Elliott, Mark Schwartz Professor of Chinese and Inner Asian History

Janet Gyatso, Hershey Professor of Buddhist Studies (*Divinity School*) (*on leave 2007-08*)

Cemal Kafadar, Vehbi Koc Professor of Turkish Studies

C. C. Lamberg-Karlovsky, Stephen Phillips Professor of Archaeology and Ethnology (*on leave spring term*)

Terry D. Martin, George F. Baker III Professor of Russian Studies



Michael J. Puett, Professor of Chinese History

David J. Roxburgh, Professor of History of Art and Architecture

John S. Schoeberlein, Lecturer on Anthropology and on Near Eastern Languages and Civilizations

Wei-Ming Tu, Harvard-Yenching Professor of Chinese History and Philosophy and of Confucian Studies

Michael Witzel, Wales Professor of Sanskrit

The Committee supervises the work of graduate students whose interest in Inner Asia is not confined to languages alone, or history alone, but encompasses linguistics, history, religion, art history, and general cultural study. Courses relating to Inner Asian Studies are given by members of the Committee and other faculty in the departments of Anthropology, East Asian Languages and Civilizations, History, History of Art and Architecture, Linguistics, Near Eastern Languages and Civilizations, and Sanskrit and Indian Studies, and by the Committee on the Study of Religion. Interested students should consult these sections of the catalog. The Committee has offices at 1730 Cambridge Street, Cambridge, MA, 02138; 617-495-3777.

Latin American and Iberian Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Latin American and Iberian Studies

Luis E. Cárcamo-Huechante, Associate Professor of Romance Languages and Literatures

Joaquim-Francisco Coelho, Nancy Clark Smith Professor of the Language and Literature of Portugal and Professor of Comparative Literature (*on leave spring term*)

Thomas B. F. Cummins, Dumbarton Oaks Professor of the History of Pre-Columbian and Colonial Art

Jorge I. Domínguez, Antonio Madero Professor of Latin American Politics and Economics, Dean (Faculty)

Bradley S. Epps, Professor of Romance Languages and Literatures and of Studies of Women, Gender, and Sexuality

Brian D. Farrell, Professor of Biology

William L. Fash, Bowditch Professor of Central American and Mexican Archaeology and Ethnology

Luis Fernández-Cifuentes, Robert S. and Ilse Friend Professor of Romance Languages and Literatures, Acting Department Chair of Romance Languages and Literatures

Jeffrey Frieden, Stanfield Professor of International Peace (*on leave fall term*)

Mary M. Gaylord, Sosland Family Professor of Romance Languages and Literatures



Merilee Grindle, Edward S Mason Professor of International Development at the Kennedy School of Government and Director of the David Rockefeller Center for Latin American Studies (*Kennedy School*)

James Hanken, Professor of Biology and Herpetology and Alexander Agassiz Professor of Zoology in the Museum of Comparative Zoology (*on leave fall term*)

N. Michele Holbrook, Charles Bullard Professor of Forestry

Steven R. Levitsky, John L. Loeb Associate Professor of the Social Sciences

J. Lorand Matory, Professor of Anthropology and of African and African American Studies

Donald H. Pfister, Asa Gray Professor of Systematic Botany and Curator of the Farlow Library and Herbarium

James Robinson, Professor of Government

Diana Sorensen, James F. Rothenberg Professor of Romance Languages and Literatures and of Comparative Literature, Dean for the Humanities

Gary Urton, Dumbarton Oaks Professor of Pre-Columbian Studies

John Womack, Jr., Robert Woods Bliss Professor of Latin American History and Economics

The Standing Committee on Latin American and Iberian Studies is appointed to coordinate the Center's research and curricular programs that operate solely within the Faculty of Arts and Sciences, including Harvard College and the Graduate School of Arts and Sciences. The Committee presently includes members representing seven academic disciplines appointed by the Dean of the Faculty of Arts and Sciences. Harvard/Radcliffe students have developed undergraduate programs focused on Latin America in Anthropology, Biology, Economics, Environmental Science and Public Policy, Government, History, History and Literature, Romance Languages and Literatures, Social Studies, and the Special Concentrations program. Although the Committee itself does not offer an undergraduate concentration or an advanced degree, it awards a Certificate in Latin American Studies to Harvard College students who have completed an approved course of study as part of their work toward the AB degree in many concentrations. The Committee also awards a Certificate in Latin American Studies to graduate students who meet its requirements just prior to their receipt of the doctoral degree.

The David Rockefeller Center for Latin American Studies, founded in 1994, coordinates research, teaching, and public programs on Latin America and related fields such as the Caribbean, the Iberian peninsula, and the Latin American Diaspora in the US throughout the University. It works to strengthen ties between Harvard and the countries of the region and to promote public understanding of the cultures, histories, and societies of this diverse region. The Center's governing bodies and committees include faculty from many faculties, departments, and the professional schools; the Center's annual directory of faculty and professional staff lists over 300 faculty members, librarians, curators, administrators, and visiting fellows and scholars with substantial Latin American or related interests.

The David Rockefeller Center is a Title VI National Resource Center, so designated by the US Department of Education in 2000. The Center sponsors lectures, seminars, conferences, exhibitions, and other academic and cultural events; supports faculty research; advises students; funds summer research travel grants to graduate, professional, and undergraduate students; manages the competition for Title VI Foreign Language and Area Studies Fellowships and other fellowships for graduate and professional students; hosts visiting scholars and fellows; provides



outreach services to teachers, journalists, and other groups; and administers the Robert F. Kennedy Visiting Professorship of Latin American Studies.

The Center publishes a monthly calendar from September to May; an annual *Guide to Courses* that lists over 100 courses on Latin America and related topics at Harvard; the *Directory of Faculty and Professional Staff*; a magazine, *ReVista*, appearing three times a year; and working paper and book series.

Life Sciences

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Life Sciences

Douglas A. Melton, Thomas Dudley Cabot Professor of the Natural Sciences (*Chair, ex officio*)

Richard M. Losick, Maria Moors Cabot Professor of Biology (*Chair, Life Sciences Education Committee*)

Mahzarin R. Banaji, Richard Clarke Cabot Professor of Social Ethics

John E. Dowling, Gordon and Llura Gund Professor of Neurosciences (*FAS*) and Professor of Ophthalmology (*Medical School*)

Rachelle Gaudet, Co-Head Tutor in Biochemical Sciences, Associate Professor of Molecular and Cellular Biology

Ann Georgi, Undergraduate Research Adviser for the Life Sciences (*ex officio*)

David A. Haig, George Putnam Professor of Organismic and Evolutionary Biology

Eric N. Jacobsen, Sheldon Emery Professor of Chemistry, Tutor in Biochemical Sciences

Daniel E. Kahne, Professor of Chemistry and Chemical Biology (*FAS*) and Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Daniel E. Lieberman, Professor of Anthropology (*on leave fall term*)

Robert A. Lue, Professor of the Practice of Molecular and Cellular Biology (*Director of Life Sciences Education*)

Lee Ann Michelson, Director of Premedical and Health Career Advising (*ex officio*)

Erin K. O'Shea, Professor of Molecular and Cellular Biology

David Pilbeam, Henry Ford II Professor of Human Evolution

Other Faculty Offering Instruction in Life Sciences

Daniel L. Hartl, Higgins Professor of Biology

Craig P. Hunter, Professor of Molecular and Cellular Biology

David R. Liu, Professor of Chemistry and Chemical Biology

Andrew W. Murray, Herchel Smith Professor of Molecular Genetics



Maryellen Ruvolo, Professor of Anthropology
John R. Wakeley, Professor of Organismic and Evolutionary Biology

Life Sciences courses are jointly organized by faculty members of Anthropology, Chemistry and Chemical Biology, Molecular and Cellular Biology, Organismic and Evolutionary Biology, and Psychology departments. Life Sciences courses fulfill requirements in multiple Life Sciences concentrations and core curriculum and are taught by teams of faculty from multiple departments. More information on Life Sciences education may be found online at: www.lifescience.fas.harvard.edu.

Primarily for Undergraduates

[Life Sciences 1a. An Integrated Introduction to the Life Sciences: Chemistry, Molecular Biology, and Cell Biology](#)

Catalog Number: 2137

Erin K. O'Shea, Daniel E. Kahne, David R. Liu, Robert A. Lue, and Andrew W. Murray
Half course (fall term). Tu., Th., 10–11:30, and three hours of laboratory/discussion weekly.
EXAM GROUP: 12, 13

What are the fundamental features of living systems? What are the molecules that impart these features, and how do their chemical properties explain their biological roles? The answers to these questions form the basis for an understanding of the molecules of life, the cell, diseases, and medicines. In contrast with a traditional presentation of relevant scientific disciplines in separate courses, the above concepts are examined through an integrated presentation of chemistry, molecular biology, biochemistry, and cell biology framed within central problems such as the biology of HIV and cancer.

Note: This course, in combination with Life Sciences 1b, constitutes an integrated introduction to the Life Sciences. When taken for a letter grade, Life Sciences 1a meets the Core area requirement for Science A.

[Life Sciences 1b. An Integrated Introduction to the Life Sciences: Genetics, Genomics, and Evolution](#)

Catalog Number: 2159

Daniel L. Hartl, Craig P. Hunter, Maryellen Ruvolo, and John R. Wakeley
Half course (spring term). Tu., Th., 10-11:30, and three hours of laboratory/discussion weekly.
EXAM GROUP: 12, 13

Why is there so much variation among individuals? Why are species so different? Biological variation reflects differences among genes and genomes: how genetic information is transmitted, how it functions, how it mutates from one form to another, how it interacts with the environment, and how it changes through time. These and related issues are examined in depth with special emphasis on complex traits whose expression is determined by a complex interplay between genes and environment.

Note: May not be taken for credit if Biological Sciences 50 has already been taken. This course, in combination with Life Sciences 1a, constitutes an integrated introduction to the Life Sciences. When taken for a letter grade, Life Sciences 1b meets the Core area requirement for Science B.



For additional courses in the Life Sciences, see offerings in the following chapters:

Anthropology (Biological Anthropology)

Chemical and Physical Biology

Chemistry and Chemical Biology

Human Evolutionary Biology

Molecular and Cellular Biology

Neurobiology

Organismic and Evolutionary Biology

Psychology

Literature

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Literature

Stephen Owen, James Bryant Conant University Professor (*Chair*)

Daniel Albright, Ernest Bernbaum Professor of Literature

Svetlana Boym, Curt Hugo Reisinger Professor of Slavic Languages and Literatures and
Professor of Comparative Literature (*on leave 2007-08*)

Julie A. Buckler, Professor of Slavic Languages and Literatures

Verena A. Conley, Visiting Professor of Comparative Literature and of Romance Languages and
Literatures (*on leave spring term*)

James Engell, Gurney Professor of English Literature and Professor of Comparative Literature

Marjorie Garber, William R. Kenan, Jr. Professor of English and American Literature and
Language and of Visual and Environmental Studies

Luis M. Girón Negrón, Professor of Romance Languages and Literatures and of Comparative
Literature

John T. Hamilton, John L. Loeb Associate Professor of the Humanities

Christopher D. Johnson, Assistant Professor of Comparative Literature

Despina Kakoudaki, Associate Professor of Visual and Environmental Studies and of



Comparative Literature (*on leave spring term*)

Christie McDonald, Smith Professor of French Language and Literature (*on leave 2006-07*)

Sandra Naddaff, Senior Lecturer on Literature and Comparative Literature (*Director of Studies*)

Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature

Judith Ryan, Robert K. and Dale J. Weary Professor of German and of Comparative Literature

Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English (*on leave fall term*)

Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of African and African American Studies

Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature

William Mills Todd III, Harvard College Professor, Harry Tuchman Levin Professor of Literature, and Professor of Comparative Literature

Justin Weir, John L. Loeb Associate Professor of the Humanities

Other Faculty Offering Instruction in the Literature Concentration

Jacob M. Emery, Lecturer on Literature

Herschel J. Farbman, Lecturer on Literature, Preceptor in Expository Writing

Rita B. Goldberg, Lecturer on Literature

George G. Grabowicz, Dmytro Cyzevs'kyj Professor of Ukrainian Literature

Panagiotis Roilos, Associate Professor of Modern Greek, Professor of Modern Greek Studies

Ruth R. Wisse, Harvard College Professor, Martin Peretz Professor of Yiddish Literature, and Professor of Comparative Literature (*on leave spring term*)

Primarily for Undergraduates

[Literature 10. Writing Across Cultures: Literatures of the World \(to 1750\) - \(New Course\)](#)

Catalog Number: 9074

Stephen Owen

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

An overview of world literatures from the earliest texts to the Enlightenment, treating multi-ethnic classical literatures (Greek, Latin, Sanskrit, Chinese, Arabic), the formation of ethnic vernacular literatures, and zones in which literary cultures met. Through lectures and close reading of selected texts, we will examine how cultural identity was constructed and continuously reconstructed in literature. We will observe how and why canons are retrospectively created, including the canon of "world literature," now in the process of formation.

[*Literature 91r. Supervised Reading and Research](#)

Catalog Number: 1074

Sandra Naddaff and members of the Committee and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

A graded, supervised course of reading and research to be conducted by a person approved by



the Committee.

Note: Permission of Director of Studies required.

***Literature 97a. Tutorial — Sophomore Year**

Catalog Number: 2776

*Sandra Naddaff, Dongxiao Liu and members of the Committee and Tutorial Board
Half course (fall term). Hours to be arranged.*

Note: Successful completion of one term of Literature 97a is required of all concentrators in their sophomore year.

***Literature 97b. Tutorial — Sophomore Year**

Catalog Number: 4595

*Sandra Naddaff and members of the Committee and Tutorial Board
Half course (spring term). Hours to be arranged.*

Note: Successful completion of one term of Literature 97b is required of all concentrators in their sophomore year.

***Literature 98a. Tutorial — Junior Year**

Catalog Number: 3119

*Sandra Naddaff and members of the Committee and Tutorial Board
Half course (fall term). Hours to be arranged.*

Note: Successful completion of one term of Literature 98a is required of all concentrators in their junior year.

***Literature 98b. Tutorial — Junior Year**

Catalog Number: 1528

*Sandra Naddaff and members of the Committee and Tutorial Board
Half course (spring term). Hours to be arranged.*

Note: Successful completion of one term of Literature 98b is required of all concentrators in their junior year.

***Literature 99a. Tutorial — Senior Year**

Catalog Number: 4857

*Sandra Naddaff and members of the Committee and Tutorial Board
Half course (fall term). Hours to be arranged.*

Note: Successful completion of one term of Literature 99a is required of all concentrators in their senior year.

***Literature 99b. Tutorial — Senior Year**

Catalog Number: 1290

*Sandra Naddaff and members of the Committee and Tutorial Board
Half course (spring term). Hours to be arranged.*

Note: Successful completion of one term of Literature 99b is required of all concentrators in their senior year.

For Undergraduates and Graduates



Literature 102. On Narrative - (New Course)

Catalog Number: 3136

Justin Weir

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

This course introduces students to theories of narrative by Jakobson, Chatman, Genette, Barthes, Brooks, Ricoeur, and others. Although the course is primarily theoretical, we will also consider several exemplary works of literature by Sterne, Tolstoy, Nabokov, Borges, and others.

Literature 104. On Theory - (New Course)

Catalog Number: 8760

Verena A. Conley

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

What is theory? What is the difference between literary, critical and cultural theory? What is the relation between theory and reading? This course introduces students to various concepts of theory (Derrida, Deleuze, Foucault, Balibar, Adorno, Benjamin, Freud, Saussure, Cixous, Kristeva, Butler and others). Focuses on theoretical texts and will bring in literary texts where necessary.

[Literature 106. On Lyric]

Catalog Number: 6351

Christopher D. Johnson

Half course (fall term). Hours to be arranged.

Explores the history of Western lyric poetry and how lyric has given voice to the recurrent themes of love, death, and subjectivity. Poetic techniques and forms will be examined, as will the roles that lyric has played as a vehicle for intellectual and cultural values. Poets to be read include Sappho, Catullus, Ovid, Bertran de Born, Dante, Petrarch, Donne, Quevedo, Sponde, Goethe, Labé, Blake, Dickinson, Baudelaire, Hölderlin, Rimbaud, Celan, Pound, Akhmatova, and Carson.

Note: Expected to be given in 2007–08.

***Literature 109. On Translation**

Catalog Number: 0594 Enrollment: Limited to 20.

Sandra Naddaff

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Examines theories of translation from various periods (Dryden, Schopenhauer, Schleiermacher, Benjamin, de Man, among others). Also looks closely at specific translated texts (e.g., various English translations of *The Thousand and One Nights*), and considers such topics as the notion of “unequal languages,” the problem of cultural translation, the genre of the bi-cultural memoir, and the possibility of untranslatability. Final project involves an original translation and commentary.

Note: Preference given to Literature concentrators.

Prerequisite: Reading knowledge of one foreign language.

[*Literature 116. Literature and Science]

Catalog Number: 6289 Enrollment: Limited to 20.

Christopher D. Johnson

Half course (spring term). Hours to be arranged.



Explores how literature in different historical periods represents and reshapes the ideas, methods, and language of science. Compares the ways reason and the imagination function in literature and science. Considers how literature rethinks the cultural and historical significance of the scientific enterprise. Primary texts include Lucretius, Donne, Copernicus, Kepler, Cavendish, Fontenelle, Shelley, Goethe, Darwin, Calvino and Gibson.

Note: Expected to be given in 2007–08.

[*Literature 119. Comparative Arts]

Catalog Number: 0078 Enrollment: Limited to 18.

Marc Shell and Daniel Albright

Half course (spring term). Hours to be arranged.

Is there one Art, or are there many arts? We will consider affinity and difference among literature, painting, music, and other arts. Student projects will investigate works of art that submit to or reject a particular material medium. Theory from Plato (Ion), Aristotle, Lessing, Burke, Diderot, Rousseau, Hegel, Pater, Greenberg, Heidegger; examples from Homer, Leonardo, Turner, Monet, Rossetti, Wagner, Richard Strauss, Apollinaire, Schoenberg--and others.

Note: Expected to be given in 2007–08.

[*Literature 122. Literature and Music]

Catalog Number: 2360 Enrollment: Limited to 20.

Sandra Naddaff

Half course (spring term). Hours to be arranged.

Explores the intersection of literary texts and genres with musical forms and themes in a number of different contexts. Topics include such issues as the adaptation of text into music; the thematization of music in narrative; the Broadway musical; and music and poetry. Works include various versions of the Orpheus myth, *The Kreuzer Sonata*, *Ulysses*, *West Side Story*, *Jazz*, *An Equal Music*, as well as various theoretical texts on aesthetics and representation.

Note: Expected to be given in 2007–08. Preference given to Literature concentrators.

[*Literature 128. Performing Texts]

Catalog Number: 3404 Enrollment: Limited to 20.

Julie A. Buckler

Half course (spring term). Hours to be arranged.

Examines performance as its own subject in drama, opera, musical theater, film, and dance (e.g., *Tosca*, *The Red Shoes*, *The Seagull*), and as represented in verbal and visual art. Juxtaposes perspectives rendered by literature and the arts with theoretical readings in the emerging interdisciplinary and de-centered field of performance studies.

Note: Expected to be given in 2007–08.

[Literature 135 \(formerly Comparative Literature 135\). Literature and the Visual Arts: Iconophilia and Iconoclasm](#)

Catalog Number: 2415

John T. Hamilton

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Addresses literature's ambivalence toward image. Topics include ekphrasis, the erotics of vision,



anti-ocularism, image-prohibition, Christian incarnation, emblems, hieroglyphs, *calligrammes*, etc. Select texts from the European Baroque, French Symbolism, Modernism, and German Expressionism.

[*Literature 138. Russian Formalism]

Catalog Number: 0724 Enrollment: Limited to 20.

Justin Weir

Half course (spring term). Hours to be arranged.

We consider major works of the Russian Formalists in English translation. Central texts by Viktor Shklovsky, Boris Eikhenbaum, Yury Tynyanov, and Roman Jakobson are analyzed alongside stories by Gogol, Dostoevsky, Pasternak, and Eisenstein's film, "October." The last third of the course is devoted to Bakhtin's theory of the novel, Czech structuralism, and recent Formalist-influenced movements in Western literary criticism.

Note: Expected to be given in 2007–08. All readings in English.

[Literature 142 (formerly Comparative Literature 142). Germany and the Greeks: Philhellenism from Winckelmann to Heidegger]

Catalog Number: 0516

John T. Hamilton

Half course (spring term). Hours to be arranged.

Topics include the relation of epic to German national identity; originality; genius and tradition; pedagogy and revolution; the formation of the lyrical subject and concepts of the modern *vates*; representations of the classical body; Dionysus and tragedy; *Mutterrecht*; the rise of Antiquarianism, philology, and classical scholarship.

Note: Expected to be given in 2007–08. Readings and discussions in English; students with language proficiency read texts in the original.

[*Literature 143 (formerly *Literature 136). Writers and Their Medium]

Catalog Number: 5842 Enrollment: Limited to 20.

Verena A. Conley

Half course (spring term). Hours to be arranged.

Focuses on the relation between writers and the act of writing (Blanchot, Bernhard, Cixous, James, Joyce, Kafka, Kleist, Lispector, Rilke, Tsvetaeva and others). Focuses on the relation between writing, philosophy and psychoanalysis. Special attention will be paid to questions of gender, representation and performance.

Note: Expected to be given in 2007–08.

[*Literature 146 (formerly *Literature 124). Space and Place in Postmodern Culture]

Catalog Number: 8228 Enrollment: Limited to 20.

Verena A. Conley

Half course (fall term). Hours to be arranged.

Focuses on renewed awareness of space in contemporary theory, literature and film. Examines notions of space and place under the impact of consumerism and electronic technologies in a global world. Texts and films include Lefebvre, Godard, de Certeau, Wenders, Baudrillard, Perec, Tati, Augé, Deleuze and Guattari, Virilio and Verhoeven.

Note: Expected to be given in 2007–08.



Literature 147. Robots: Imagination, Fiction and Reality - (New Course)

Catalog Number: 4482

Despina Kakoudaki

Half course (fall term). M., W., at 10; Screenings: F., 4–6. EXAM GROUP: 3

This class explores the meanings of robots as cultural figures, tracing their presence in popular culture, science fiction and film, and engaging contemporary research in robotics. Both imaginary and real, robots represent our understanding of futurity and innovation, but they also function as existential sites for debates about the limits and definitions of humanity. Designed to bridge the humanities and sciences, the class includes visits to robotics labs and conversations with engineers and scientists in the field.

[Literature 148 (formerly Comparative Literature 148). Metaphor]

Catalog Number: 6074

Christopher D. Johnson

Half course (fall term). Hours to be arranged.

Explores the theory and practice of metaphor in literature, philosophy, and science. Topics include: the aesthetic, heuristic, and epistemological functions of metaphor; metaphor's relation to allegory, irony, and other "major tropes"; metaphor in lyric poetry. Theoretical readings include texts by Aristotle, Gracián, Jakobson, Lacan, Ricoeur, Blumenberg, Kofman, Derrida, de Man, and Kuhn.

Note: Expected to be given in 2007–08. All readings will be available in translation, but students are encouraged to work in the original languages.

Literature 149 (formerly Comparative Literature 149). Irony

Catalog Number: 9984

Panagiotis Roilos

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Explores major philosophical and aesthetic discourses on irony as well as literary manipulations of the trope in western European tradition. Topics discussed include irony and rhetoric, parody, laughter, irony, and the post-modern.

[*Literature 150 (formerly *Literature 140). Colonial and Post-Colonial Spaces: France-North Africa]

Catalog Number: 9366 Enrollment: Limited to 20.

Verena A. Conley

Half course (fall term). Hours to be arranged.

Focuses on transformations of colonial and postcolonial spaces in North Africa that include Morocco, Tunisia, and, especially, Algeria by way of literature, film and theory (Allouache, Bouraoui, Camus, Djebbar, Fanon, Kateb Yacine, Mammeri, Memmi, Said, Sebbar, Tlatli and others). Special attention is given to problems of language, subjectivity, identity and citizenship, nation and community. Also examines the emergence of new cultural spaces in connection with postcolonial and global migrations in France and in Europe.

Note: Expected to be given in 2007–08.

[Literature 153 (formerly Comparative Literature 153). Saul Bellow's Planet]

Catalog Number: 2506



Ruth R. Wisse

Half course (fall term). Hours to be arranged.

Studies Bellow's major novels and short stories; emergence of his quasi-autobiographical heroes; relation to Europe, Africa, America, Israel; literary models and influence. Considers his arguments and engagements with major 20th century thinkers as they figure in his fiction.

Note: Expected to be given in 2007–08. Class is conducted in a modified seminar format.

Literature 155 (formerly Literature 110). Furor Poeticus: Madness, Inspiration, Genius

Catalog Number: 7758

John T. Hamilton

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

The course begins with the classical conception of mania as a divine source of prophecy, ecstasy, poetic creation, and erotic desire; then traces its manifestations and elaboration in select literary, theoretical and critical works of the Western tradition. Readings from: Sophocles, Plato, Seneca, Ficino, Shaftesbury, Diderot, Goethe, Büchner, Hölderlin, Nerval, Lautréamont, Freud, Breton, Artaud, Foucault, Kristeva, and C. Wolf.

Literature 157 (formerly Comparative Literature 111). From Type to Self in the Middle

Ages

Catalog Number: 9245

Luis M. Girón Negrón

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

It has been argued that the poetic "I" in premodern literatures is not a vehicle for self-representation, but an archetype of the human. The course will examine this thesis against the rise of autobiographical writing in medieval and early modern Europe. Readings include spiritual autobiographies (Augustine, Kempe, Teresa of Ávila), letter collections, *maqama* literature, troubadour lyric, Hispano-Jewish poetry, pilgrimage narratives, medieval allegories, Dante and the picaresque novel. Theoretical perspectives by Spitzer, Lejeune, Zumthor and DeCerteau.

Note: All readings in English translation.

[Literature 160 (formerly Comparative Literature 160). Literary Forgeries and Mystifications]

Catalog Number: 3614

George G. Grabowicz

Half course (spring term). Hours to be arranged.

Examines literary forgeries and mystifications from the late 18th century to the present, focusing on their poetics, their ideological motivation and their role in modern political mythmaking (some texts considered: Ossian, The Igor Tale, the Czech manuscripts, the Protocols of the Elders of Zion, Ern Malley). Also considers the psychology and esthetics of simulation and mystification as reflected in the works of Gide, Borges, Nabokov, Pavic, Eco, and Calvino.

Note: Expected to be given in 2007–08. All readings in English.

[Literature 165 (formerly Comparative Literature 165). The Holocaust and Problems of Representation]

Catalog Number: 0577 Enrollment: Limited to 20.

Susan R. Suleiman



Half course (spring term). Hours to be arranged.

Can the story of the Holocaust be told? Is there such a thing as “the story” of the Holocaust? Who is authorized to tell it, and how? Do aesthetic categories apply to Holocaust art? Are some representations unacceptable? We explore these and other questions raised by a wide range of works (oral and written testimonies, novels, essays, comic strips, films, poetry, monuments) produced from 1945 to the present in Europe, Israel, and the US.

Note: Expected to be given in 2007–08.

Literature 166 (formerly Comparative Literature 166). The Comic Tradition in Jewish Culture

Catalog Number: 3418

Ruth R. Wisse

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Jews are probably best known in America today for their roles in the Holocaust and in Humor. What, if anything, is the relation between these spheres? Does Jewish humor make fun of the Jews, or does it make fun of those who make fun of the Jews? Studies some of the theories and uses of Jewish humor, some of its leading practitioners and outstanding works. Invites comparison with other comic traditions and investigation of "national" humor.

Note: Readers of Yiddish may take this course as Yiddish 200.

***Literature 172 (formerly *Comparative Literature 172). Paralysis**

Catalog Number: 8517

Marc Shell

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

How does paralysis inform aesthetics? Part One focuses on speech paralysis (*Hamlet*), hysterical paralysis (*Broken Glass*), and paralyzed rulers (FDR, Claudius). Part Two considers movement/stillness in painting (Kahlo, Masaccio) and cinema (*Rear Window*, *Breathing Lessons*) and examines first-person polio narratives. Texts also include history of medicine and film/literary theory.

[Literature 180 (formerly Comparative Literature 180). Melopoeia: On German Music and Letters]

Catalog Number: 9138

John T. Hamilton

Half course (spring term). Hours to be arranged.

Examines music theories in relation to German literature, philosophy, and criticism. Topics include harmony of the spheres, synesthesia, Romanticism and *Universalpoesie*, Wagner and *Gesamtkunstwerk*, the tone-poem, secularization and the rise of chromaticization, the semiotics of music, and *Kulturpolitik*.

Note: Expected to be given in 2007–08. No knowledge of German required. Readings and discussions in English; German concentrators read texts in the original.

Cross-listed Courses

***Comparative Literature 207. Theory and Methods in Comparative Oral Traditions: Seminar**



[*Comparative Literature 210. Comparative Themes in the Literatures of Medieval Spain: Seminar]
[*Comparative Literature 211. Mysticism and Literature: Seminar]
[Comparative Literature 241. Reading Spinoza and Leibniz with Gilles Deleuze - \(New Course\)](#)
[Comparative Literature 246. Baroque and Neo-Baroque Literature]
[*Comparative Literature 257. Trauma, Memory, and Creativity - \(New Course\)](#)
[*Comparative Literature 261. Memory and Modernity: Seminar](#)
[*Comparative Literature 262. Aesthetics and Freedom]
[Comparative Literature 273. Approaches to Modernity: The Metropolis]
[Comparative Literature 276. Renaissance Poetics and Rhetoric]
[*Comparative Literature 283. Language War: Seminar]
[*Comparative Literature 287r. Selected Topics in Poetics and Rhetoric: Seminar]
[*English 291. Weird English: Graduate Seminar - \(New Course\)](#)
[French 132a. 20th-Century French Fiction I: The Realist Mode]
[French 132b. 20th-Century French Fiction II: The Experimental Mode](#)
[French 137. 20th-Century French Theater]
[French 167. Parisian Cityscapes]
[French 273. Globalization and French Culture]
[French 279. Spatial Textures of Critical Theory]
[French 285r. French Literature: Seminar](#)
[German 151. Franz Kafka: Modernity and Its Discontents]
[Slavic 192 (formerly Slavic 179). Literature as Institutions: Conference Course]
[*Visual and Environmental Studies 159. Film Theory/Film Practice: Seminar/Workshop]
[Visual and Environmental Studies 176x. Melodrama](#)
[Visual and Environmental Studies 177 (formerly Comparative Literature 183). Film and the Human Body]

Mathematics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Mathematics

Clifford Taubes, William Petschek Professor of Mathematics (*Chair*)

Paul G. Bamberg, Senior Lecturer on Mathematics

Bret J. Benesh, Preceptor in Mathematics

Sebastian B. Casalaina-Martin, Lecturer in Mathematics (*spring term only*)

Janet Chen, Preceptor in Mathematics

Danijela Damjanovic, Benjamin Peirce Lecturer on Mathematics



Samit Dasgupta, Benjamin Peirce Assistant Professor of Mathematics
 Alberto De Sole, Benjamin Peirce Assistant Professor of Mathematics, Contin Ed/Spec Prog
 Instructor (*on leave 2006-07*)
 Elizabeth Denne, Benjamin Peirce Assistant Professor of Mathematics
 John F. Duncan, Benjamin Peirce Lecturer on Mathematics
 Eaman Eftekhary, Benjamin Peirce Assistant Professor of Mathematics
 Noam D. Elkies, Professor of Mathematics
 Dennis Gaitsgory, Professor of Mathematics
 Véronique Godin, Benjamin Peirce Assistant Professor of Mathematics
 Daniel L. Goroff, Professor of the Practice of Mathematics, Associate Director of the Derek Bok
 Center for Teaching and Learning, Associate of Leverett House, Contin Ed/Spec Prog Instructor
 (*on leave 2006-07*)
 Robin Gottlieb, Professor of the Practice in the Teaching of Mathematics
 Benedict H. Gross, George Vasmer Leverett Professor of Mathematics and Dean of Harvard
 College
 Joseph D. Harris, Higgins Professor of Mathematics (*Director of Graduate Studies*)
 David Helm, Benjamin Peirce Assistant Professor of Mathematics
 Michael J. Hopkins, Professor of Mathematics (*on leave fall term*)
 Arthur M. Jaffe, Landon T. Clay Professor of Mathematics and Theoretical Science
 Thomas W. Judson, Preceptor in Mathematics
 David Kazhdan, Perkins Professor of Mathematics, Retired (*spring term only*)
 Oliver Knill, Preceptor in Mathematics
 Joachim Krieger, Benjamin Peirce Assistant Professor of Mathematics
 Peter B. Kronheimer, William Caspar Graustein Professor of Mathematics (*Director of
 Undergraduate Studies*)
 Thomas Lam, Benjamin Peirce Assistant Professor of Mathematics
 Matthew P. Leingang, Preceptor in Mathematics
 Barry C. Mazur, Gerhard Gade University Professor
 Curtis T. McMullen, Maria Moors Cabot Professor of the Natural Sciences
 Andreea C. Nicoara, Benjamin Peirce Assistant Professor of Mathematics (*fall term only*)
 Martin A. Nowak, Professor of Mathematics and of Biology
 Gerald E. Sacks, Professor of Mathematical Logic
 Wilfried Schmid, Dwight Parker Robinson Professor of Mathematics (*on leave fall term*)
 Lior Silberman, Benjamin Peirce Assistant Professor of Mathematics
 Yum Tong Siu, William Elwood Byerly Professor of Mathematics
 Shlomo Z. Sternberg, George Putnam Professor of Pure and Applied Mathematics
 Robert M. Strain, Benjamin Peirce Assistant Professor of Mathematics (*on leave 2006-07*)
 Richard L. Taylor, Herchel Smith Professor of Mathematics (*on leave 2006-07*)
 Angela G. Vierling-Claassen, Preceptor in Mathematics
 Benjamin Weinkove, Benjamin Peirce Assistant Professor of Mathematics
 Lauren K. Williams, Benjamin Peirce Assistant Professor of Mathematics
 Horng-Tzer Yau, Professor of Mathematics
 Shing-Tung Yau, William Caspar Graustein Professor of Mathematics (*on leave spring term*)
 Iliia Zharkov, Benjamin Peirce Assistant Professor of Mathematics

Other Faculty Offering Instruction in Mathematics



Michael P. Brenner, Glover Professor of Applied Mathematics and Applied Physics, Tutor in Biochemical Sciences (*spring term only*)

The Mathematics Department would like to welcome students into that course for which they are best qualified. Incoming students should take advantage of Harvard's Mathematics Placement Test and of the science advising available in the Science Center the week before classes begin. Members of the Mathematics Department will be available during this period to consult with students. Generally, students with a strong precalculus background and some calculus experience will begin their mathematics education here with a deeper study of calculus and related topics in courses such as Mathematics 1a, 1b, 19a,b, 20, and 21a,b. The Harvard Mathematics Placement Test results recommend the appropriate starting level course, either Mathematics Xa, 1a, 1b, or 21. Recommendation for Mathematics 21 is sufficient qualification for Mathematics 19, 20, 21a, 23a, and 25a.

In any event, what follows briefly describes these courses: Mathematics 1a introduces the basic ideas and techniques of calculus while Mathematics 1b covers integration techniques, differential equations, sequences and series. Mathematics 21a covers multi-variable calculus while Mathematics 21b covers basic linear algebra with applications to differential equations. Students who do not place into (or beyond) Mathematics 1a can take Mathematics Xa, Xb, a two-term sequence which integrates calculus and precalculus material and prepares students to enter Mathematics 1b.

There are a number of options available for students whose placement is to Mathematics 21. For example, Mathematics 19a,b are courses that are designed for students concentrating in the life sciences, chemistry, and the environmental sciences. (These course are recommended over Math 21a,b by the various life science, environmental science, and chemistry concentrations). In any event, Math 19a can be taken either before or after Math 21a,b. Math 19b requires some multivariable calculus background, and should not be taken with Math 21b. Math 19a focuses on differential equations, related techniques and modeling with applications to the life sciences. Math 19b focuses teaches linear algebra, probability and statistics with a focus on life science examples and applications. Mathematics 20 covers selected topics from Mathematics 21a and 21b for students particularly interested in economic and social science applications.

Mathematics 23 is a theoretical version of Mathematics 21 which treats multivariable calculus and linear algebra in a rigorous, proof oriented way. Mathematics 25 and 55 are theory courses that should be elected only by those students who have a particular interest in, and commitment to, mathematics. They assume a solid understanding of one-variable calculus and a willingness to think rigorously and abstractly about mathematics, and to work extremely hard. Both courses study multivariable calculus and linear algebra plus many very deep related topics. Mathematics 25 differs from Mathematics 23 in that the work load in Mathematics 25 is significantly more than in Mathematics 23, but then Mathematics 25 covers more material. Mathematics 55 differs from Mathematics 25 in that the former assumes a very strong proof oriented mathematics background. Entrance into Mathematics 55 requires the consent of the instructor.

The suitability of Mathematics 55 and higher numbered courses is not addressed by the placement examinations. Students who have had substantial preparation beyond the level of the



Advanced Placement Examinations are urged to consult the Department Head Tutor in Mathematics concerning their initial Harvard mathematics courses. Students should take this matter very seriously. The Mathematics Department has also prepared a pamphlet with a detailed description of all its 100-level courses and their relationship to each other. This pamphlet gives sample lists of courses suitable for students with various interests. It is available at the Mathematics Department Office. Many 100-level courses assume some familiarity with proofs. Courses that fulfill this prerequisite include Mathematics 23, 25, 55, 101, 112, 121, and 141. Of these, note that Mathematics 101 may be taken concurrently with Mathematics 1, 19, 20, or 21.

The Mathematics Department does not grant formal degree credit without *prior* approval for taking a course that is listed as a prerequisite of one you have already taken. Our policy is that a student who takes and passes any calculus course is not normally permitted to then take a more elementary course for credit. A student who has passed Mathematics 21a, for example, will normally not be allowed to take Mathematics 1a, or 1b for credit. The Mathematics Department is prepared to make exceptions for sufficient academic reasons; in each case, however, a student must obtain written permission from the Mathematics Head Tutor in advance.

In the case of students accepting admission as sophomores, this policy is administered as follows: students counting one half course of advanced standing credit in mathematics are deemed to have passed Mathematics 1a, and students counting a full course of advanced standing credit in mathematics are deemed to have passed Mathematics 1a and 1b.

Primarily for Undergraduates

Mathematics Xa. Introduction to Functions and Calculus I

Catalog Number: 1981 Enrollment: Normally limited to 15 students per section.

Angela G. Vierling-Claassen, Bret J. Benesh, John Duncan, and members of the Department
Half course (fall term). Section meeting times: Section I: M., W., F., at 10; Section II: M., W., F., at 11; Section III: M. W. F., at 12 (with sufficient enrollment). EXAM GROUP: 1

The study of functions and their rates of change. Fundamental ideas of calculus are introduced early and used to provide a framework for the study of mathematical modeling involving algebraic, exponential, and logarithmic functions. Thorough understanding of differential calculus promoted by year long reinforcement. Applications to biology and economics emphasized according to the interests of our students.

Note: Required first meeting: Monday, September 18, 8:30 am, Science Center D. The sequence Xa, Xb gives solid preparation for Mathematics 1b. This course, when taken for a letter grade together with Mathematics Xb, meets the Core area requirement for Quantitative Reasoning.

Mathematics Xb. Introduction to Functions and Calculus II

Catalog Number: 3857 Enrollment: Normally limited to 15 students per section.

Bret J. Benesh, John Duncan, and members of the Department
Half course (spring term). Section I: M., W., F., at 10; Section II: M. W., F., at 11; Section III: M., W., F., at 12 (with sufficient enrollment); and a twice weekly lab session to be arranged.
EXAM GROUP: 1

Continued investigation of functions and differential calculus through modeling; an introduction to integration with applications; an introduction to differential equations. Solid preparation for



Mathematics 1b.

Note: This course, when taken for a letter grade together with Mathematics Xa, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics Xa.

Mathematics 1a. Introduction to Calculus

Catalog Number: 8434 Enrollment: Normally limited to 30 students per section.

Bret J. Benesh, Janet Chen, Danijela Damjanovic, and Samit Dasgupta (fall term); Samit Dasgupta (spring term)

Half course (fall term; repeated spring term). Fall: Section I, M., W., F., at 9 (with sufficient enrollment); Section II, M., W., F., at 10; Section III, M., W., F., at 11; Section IV, M., W., F., at 12; Section V, Tu., Th., 10–11:30; Section VI, Tu., Th., 11:30–1. Spring: Section I, M., W., F., at 10; Section II, Tu.Th. 10-11:30 (with sufficient enrollment) and a weekly problem section to be arranged. EXAM GROUP: 1

The development of calculus by Newton and Leibniz ranks among the greatest achievements of the past millennium. This course will help you see why by introducing: how differential calculus treats rates of change; how integral calculus treats accumulation; and how the fundamental theorem of calculus links the two. These ideas will be applied to optimization, graphing, mechanisms, and problems from many other disciplines.

Note: Required first meeting in fall: Tuesday, September 19, 8:30 am, Science Center B. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: A solid background in precalculus.

Mathematics 1b. Calculus, Series, and Differential Equations

Catalog Number: 1804 Enrollment: Normally limited to 30 students per section.

Matthew P. Leingang, Thomas W. Judson, and Lior Silberman (fall term); Robin Gottlieb, Janet Chen, Danijela Damjanovic, and Lior Silberman (spring term)

Half course (fall term; repeated spring term). Section I, M., W., F., at 9 (with sufficient enrollment); Section II, M., W., F., at 10; Section III, M., W., F., at 11; Section IV, M., W., F., at 12 (with sufficient enrollment); Section V: Tu., Th., 10–11:30; Section VI, Tu., Th., 11:30–1, and a weekly problem section to be arranged. Required exams: Hours to be arranged. EXAM GROUP: 1

Speaking the language of modern mathematics requires fluency with the topics of this course: infinite series, integration, and differential equations. Model practical situations using integrals and differential equations. Learn how to represent interesting functions using series and find qualitative, numerical, and analytic ways of studying differential equations. Develop both conceptual understanding and the ability to apply it.

Note: Required first meeting in fall: Monday, September 18, 8:30 am, Science Center C. Required first meeting in spring: Wednesday, January 31, 8:30 am, Science Center A. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 1a, or Xa and Xb, or equivalent.

Mathematics 19a (formerly Mathematics 19). Modeling and Differential Equations for the Life Sciences



Catalog Number: 1256

Thomas W. Judson

Half course (fall term). M., W., F., at 1, and a weekly problem section to be arranged. EXAM GROUP: 6

Considers the construction and analysis of mathematical models that arise in the environmental sciences, biology, the ecological sciences, and in earth and atmospheric sciences. Introduces mathematics that include multivariable calculus, differential equations in one or more variables, vectors, matrices, and linear and non-linear dynamical systems. Taught via examples from current literature (both good and bad).

Note: This course is recommended over Math 21a for those planning to concentrate in the life sciences, chemistry, or environmental sciences. Can be taken with or without Mathematics 21a,b. Students with interests in the social sciences and economics might consider Mathematics 20. This course can be taken before or after Mathematics 20. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Mathematics 19b. Linear Algebra, Probability, and Statistics for the Life Sciences - (New Course)

Catalog Number: 6144

Clifford Taubes and Michael P. Brenner

Half course (spring term). M., W., F., at 1 and a weekly problem section to be arranged. EXAM GROUP: 6

Probability, statistics and linear algebra with applications to life sciences, chemistry, and environmental sciences. Linear algebra includes matrices, eigenvalues, eigenvectors, determinants, and applications to probability, statistics, dynamical systems. Basic probability and statistics are introduced, as are standard models, techniques, and their uses including the central limit theorem, Markov chains, curve fitting, regression, and pattern analysis.

Note: This course is recommended over Math 21b for those planning to concentrate in the life sciences, chemistry, or environmental sciences. Can be taken with Mathematics 21a. Students who have seen some multivariable calculus can take Math 19b before Math 19a. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Mathematics 20. Introduction to Linear Algebra and Multivariable Calculus

Catalog Number: 0906

Matthew P. Leingang

Half course (fall term; repeated spring term). M., W., F., at 10, and a weekly problem section to be arranged. EXAM GROUP: 3

Introduction to linear algebra, including vectors, matrices, and applications. Calculus of functions of several variables, including partial derivatives, constrained and unconstrained optimization, and applications. Covers the topics from Mathematics 21a,b which are most important in applications to economics, the social sciences, and some other fields.

Note: Should not ordinarily be taken in addition to Mathematics 21a,b. Examples drawn primarily from economics and the social sciences though Mathematics 20 may be useful to students in certain natural sciences. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 1b or equivalent, or an A or A- in Mathematics 1a, or a 5 on the AB or a 3 or higher on the BC Advanced Placement Examinations in Mathematics.



Mathematics 21a. Multivariable Calculus

Catalog Number: 6760 Enrollment: Normally limited to 30 students per section.

Oliver Knill, Janet Chen, Gerald E. Sacks, and Ilia Zharkov (fall term); Wilfried Schmid, Véronique Godin, Thomas Judson, Matthew P. Leingang, Benjamin Weinkove, and Lauren K. Williams (spring term)

Half course (fall term; repeated spring term). Fall: Section I, M., W., F., at 9 (with sufficient enrollment); Section II, M., W., F., at 10; Section III, M., W., F., at 11; Section IV, M., W., F., at 12; Section V, Tu., Th., 10–11:30; Section VI, Tu., Th., 11:30–1; and a weekly problem section to be arranged. . EXAM GROUP: 1

To see how calculus applies in practical situations described by more than one variable, we study: Vectors, lines, planes, parameterization of curves and surfaces, partial derivatives, directional derivatives, and the gradient, optimization and critical point analysis, including constrained optimization and the Method of Lagrange Multipliers, integration over curves, surfaces, and solid regions using Cartesian, polar, cylindrical, and spherical coordinates, divergence and curl of vector fields, and the Green's, Stokes', and Divergence Theorems.

Note: Required first meeting in fall: Tuesday, September 19, 8:30 am, Science Center C.

Required first meeting in spring: Wednesday, January 31, 1 pm, Science Center C. May not be taken for credit by students who have passed Applied Mathematics 21a. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning. Activities using computers to calculate and visualize applications of these ideas will not require previous programming experience. Special sections for students interested in physics or biochemistry and social sciences are offered each term. The biochemistry/social sciences sections treat topics in probability and statistics in lieu of Green's, Stokes' and the Divergence Theorems.

Prerequisite: Mathematics 1b or equivalent.

Mathematics 21b. Linear Algebra and Differential Equations

Catalog Number: 1771 Enrollment: Normally limited to 30 students per section.

Noam D. Elkies and Elizabeth Denne (fall term); Oliver Knill, David Helm, and Thomas Lam (spring term)

Half course (fall term; repeated spring term). Fall: Section I: M., W., F., at 10; Section II: M., W., F., at 11; Section III: M., W., F., at 12 (with sufficient enrollment); Spring: Section I: M., W., F., at 10; Section II: M., W., F., at 11; Section III: M., W., F., at 12 (with sufficient enrollment); Section IV: Tu., Th., 10–11:30; Section V: Tu., Th., 11:30–1 and a weekly problem section to be arranged. EXAM GROUP: 1

Matrices provide the algebraic structure for solving myriad problems across the sciences. We study matrices and related topics such as vectors, Euclidean spaces, linear transformations, determinants, eigenvalues, and eigenvectors. Of applications given, a regular section considers dynamical systems and both ordinary and partial differential equations. Accompanying an introduction to statistical techniques, applications from biology and other data-rich sciences are presented in a biology and statistics section.

Note: Required first meeting in fall: Monday, September 18, 8:30 am, Science Center A.

Required first meeting in spring: Wednesday, January 31, 8:30 am, Science Center D. May not be taken for credit by students who have passed Applied Mathematics 21b. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 1b or equivalent. Mathematics 21a is commonly taken before Mathematics 21b, but is not a prerequisite, although familiarity with partial derivatives is useful.



Mathematics 23a. Theoretical Linear Algebra and Multivariable Calculus I

Catalog Number: 2486

Paul G. Bamberg

Half course (fall term). M., W., F., at 11, and a weekly conference section to be arranged. EXAM GROUP: 4

A rigorous treatment of linear algebra and the calculus of functions of n real variables. Topics include: Construction of number systems, fields; vector spaces and linear transformations, eigenvalues and eigenvectors, multilinear forms, and determinants; elementary topology of Euclidean space, inner products, and norms; differentiation and integration of functions of several real variables, the classical theorems of vector analysis.

Note: Mathematics 23a, b are honors courses, specifically designed for students with strong mathematics backgrounds who are seriously interested in continuing in the theoretical sciences. See the description in the introductory paragraphs in the Mathematics section of the catalog. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 1b or a grade of 4 or 5 on the Calculus BC Advanced Placement Examination.

Mathematics 23b. Theoretical Linear Algebra and Multivariable Calculus II

Catalog Number: 8571

Paul G. Bamberg

Half course (spring term). M., W., F., at 11, and a weekly conference section to be arranged. EXAM GROUP: 4

Continuation of the subject matter of Mathematics 23a.

Note: This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 23a.

Mathematics 25a. Honors Multivariable Calculus and Linear Algebra

Catalog Number: 1525

Andreea C. Nicoara

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

A rigorous treatment of linear algebra, point-set and metric topology, and the calculus of functions in n variables. Emphasis placed on careful reasoning, and on learning to understand and construct proofs.

Note: Only for students with a strong interest and background in mathematics. May not be taken for credit after Mathematics 23. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: 5 on the Calculus BC Advanced Placement Examination, or the equivalent as determined by the instructor.

Mathematics 25b. Honors Multivariable Calculus and Linear Algebra

Catalog Number: 1590

Andreea C. Nicoara

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

A continuation of Mathematics 25a. More advanced topics, such as Fourier analysis, differential



forms, and differential geometry, will be introduced as time permits.

Note: This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 25a or permission of instructor.

***Mathematics 55a. Honors Advanced Calculus and Linear Algebra**

Catalog Number: 4068

Dennis Gaitsgory

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

A rigorous treatment of metric and general topology, linear and multi-linear algebra, differential and integral calculus.

Note: Mathematics 55a is an intense course for students having significant experience with abstract mathematics. Instructor's permission required. Every effort will be made to accommodate students uncertain of whether the course is appropriate for them; in particular, Mathematics 55a and 25a will be closely coordinated for the first three weeks of instruction. Students can switch between the two courses during the first three weeks without penalty. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Mathematics 55b. Honors Advanced Calculus and Linear Algebra

Catalog Number: 3312

Dennis Gaitsgory

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Continuation of Mathematics 55a. Calculus of functions of several variables. More advanced topics selected from functional analysis, Fourier analysis, differential equations, and differential geometry.

Note: This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 55a or permission of instructor.

***Mathematics 60r. Reading Course for Senior Honors Candidates**

Catalog Number: 8500

Peter B. Kronheimer

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced reading in topics not covered in courses.

Note: Limited to candidates for honors in Mathematics who obtain the permission of both the faculty member under whom they want to work and the Director of Undergraduate Studies. May not count for concentration in Mathematics without special permission from the Director of Undergraduate Studies. Graded Sat/Unsat only.

***Mathematics 91r. Supervised Reading and Research**

Catalog Number: 2165

Peter B. Kronheimer

Half course (fall term; repeated spring term). Hours to be arranged.

Programs of directed study supervised by a person approved by the Department.

Note: May not ordinarily count for concentration in Mathematics.



***Mathematics 99r. Tutorial**

Catalog Number: 6024

Peter B. Kronheimer and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Topics for 2006-07: Morse theory (fall), prerequisite: Math 135 or familiarity with ideas in differential geometry. (2) Geometry and Physics (fall), prerequisite: permission of instructor. (3) Enumerative geometry (fall), prerequisite: Math 113, 137 or equivalent. (4) Elliptic functions (spring), prerequisite: Math 113 and 122. (5) Geometry in real and complex projective space (spring), prerequisite: Math 113 and 122.

Note: May be repeated for course credit with permission from the Director of Undergraduate Studies. Only one tutorial may count for concentration credit.

For Undergraduates and Graduates

See also Applied Mathematics and Statistics.

Mathematics 101. Sets, Groups and Topology

Catalog Number: 8066

Véronique Godin

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

An introduction to rigorous mathematics, axioms, and proofs, via topics such as set theory, symmetry groups, and low-dimensional topology.

Note: Familiarity with algebra, geometry and/or calculus is desirable. Students who have already taken Mathematics 25a,b or 55a,b should not take this course for credit.

Prerequisite: An interest in mathematical reasoning.

Mathematics 106. Ordinary Differential Equations

Catalog Number: 3377

Thomas W. Judson

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

Analytic, numerical, and qualitative analysis of ordinary differential equations. Linear equations, linear and non-linear systems. Applications to mechanics, biology, physics, and the social sciences. Existence and uniqueness of solutions and visual analysis using computer graphics.

Topics selected from Laplace transforms, power series solutions, chaos, and numerical solutions.

Prerequisite: Mathematics 19a,b, 20 or 21a.

Mathematics 112. Real Analysis

Catalog Number: 1123

Joachim Krieger

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An introduction to mathematical analysis and the theory behind calculus. An emphasis on learning to understand and construct proofs. Covers limits and continuity in metric spaces, uniform convergence and spaces of functions, the Riemann integral, sets of measure zero and conditions for integrability.

Prerequisite: Mathematics 21a,b or 23a,b, and either an ability to write proofs or concurrent



enrollment in Mathematics 101. Should not ordinarily be taken in addition to Mathematics 25a,b or 55a,b.

Mathematics 113. Complex Analysis

Catalog Number: 0405

Yum Tong Siu

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Analytic functions of one complex variable: power series expansions, contour integrals, Cauchy's theorem, Laurent series and the residue theorem. Some applications to real analysis, including the evaluation of indefinite integrals. An introduction to some special functions.

Prerequisite: Mathematics 23a,b, 25a,b, or 101. Students with an A grade in Mathematics 21a,b may also consider taking this course, but must understand proofs.

Mathematics 114. Random Matrix - (New Course)

Catalog Number: 9972

Horng-Tzer Yau

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A discussion of some basic properties of random matrix such as Wigner semi-circle law and the level distribution of eigenvalues. Basic properties of random Schrodinger operator. A short review of related probability theory.

Note: Assumes some familiarity with the Fourier transform. Lebesgue integral and simple probability theory.

Mathematics 115. Methods of Analysis and Applications

Catalog Number: 1871

Yum Tong Siu

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Some complex function theory; Fourier analysis; Hilbert spaces and operators; Laplace's equations; Bessel and Legendre functions; symmetries; Sturm-Liouville theory, and calculus of variations.

Note: Mathematics 115 is especially for students interested in physics.

Prerequisite: Mathematics 21a,b, 23a,b, or 25a,b, and permission of instructor.

[Mathematics 116. Convexity and Optimization with Applications]

Catalog Number: 5253

Half course (spring term). Hours to be arranged.

Introduction to real and functional analysis through topics such as convex programming, duality theory, linear and non-linear programming, calculus of variations, and the maximum principle of optimal control theory.

Note: Expected to be given in 2007–08.

Prerequisite: At least one course beyond Mathematics 21.

Mathematics 118r. Dynamical Systems

Catalog Number: 6402

Eaman Eftekhary



Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

A mathematical introduction to nonlinear dynamical system theory and its applications. Topics include concepts on the iteration of maps and the integration of flows, bifurcation theory, the role of equilibrium points, invariant manifolds, and attractors. Applications include examples from celestial mechanics, geometry or statistical mechanics or number theory. Computer demonstrations in class are used to visualize and understand the concepts and will encourage experimentation.

Prerequisite: Multi-variable calculus as well as linear algebra.

[Mathematics 119. Partial Differential Equations and Applications]

Catalog Number: 7326

Half course (fall term). Hours to be arranged.

Partial differential equations with constant coefficients, hyperbolic elliptic, and parabolic equations, Fourier analysis, Green's function.

Note: Expected to be given in 2007–08.

Prerequisite: Familiarity with functions of a complex variable.

Mathematics 121. Linear Algebra and Applications

Catalog Number: 7009

Thomas Lam

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Real and complex vector spaces, dual spaces, linear transformations and Jordan normal forms. Inner product spaces. Applications to differential equations, classical mechanics, and optimization theory. Emphasizes learning to understand and write proofs.

Prerequisite: Mathematics 21a,b or equivalent. Should not ordinarily be taken in addition to Mathematics 23a,b, 25a,b, or 55a,b.

Mathematics 122. Abstract Algebra I: Theory of Groups and Vector Spaces

Catalog Number: 7855

Joseph D. Harris

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Algebra is the language of modern mathematics. Provides an introduction to this language, through the study of groups and group actions, vector spaces and their linear transformations, and some general theory of rings and fields.

Prerequisite: Mathematics 21b, or the equivalent training in matrices and linear algebra.

Mathematics 123. Abstract Algebra II: Theory of Rings and Fields

Catalog Number: 5613

Joseph D. Harris

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Bilinear forms and group representations. Field extensions and the basic theorems of Galois theory. Structure theorems for modules.

Prerequisite: Mathematics 122.



Mathematics 124. Number Theory

Catalog Number: 2398

Peter B. Kronheimer

Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

Factorization and the primes; congruences; quadratic residues and reciprocity; continued fractions and approximations; Pell's equation; selected Diophantine equations; theory of integral quadratic forms.

Prerequisite: Mathematics 122 (which may be taken concurrently) or equivalent.

[Mathematics 126. Representation Theory and Applications]

Catalog Number: 0369

Wilfried Schmid

Half course (fall term). Hours to be arranged.

Representation theory of finite groups including character theory, induced representations, Frobenius reciprocity, and interesting applications.

Note: Expected to be given in 2007–08.

Mathematics 128. Lie Algebras

Catalog Number: 6519

Shlomo Z. Sternberg

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Definition of Lie algebras, examples, Poincare-Birkhoff-Witt theorem, Levy decomposition. Semi-simple algebras, their classification and finite-dimensional representations, Verma modules, and Weyl character formula.

Mathematics 129. Topics in Number Theory

Catalog Number: 2345

Michael J. Hopkins

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Algebraic number theory: number fields, unique factorization of ideals, finiteness of class group, structure of unit group, Frobenius elements, local fields, ramification, weak approximation, adèles, and ideles.

Prerequisite: Mathematics 122 and 123.

Mathematics 131. Topology

Catalog Number: 2381

Véronique Godin

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

Basic notions of point set topology such as continuity, compactness, metrizable. Algebraic topology including fundamental groups, covering spaces, and higher homotopy groups.

Prerequisite: Some acquaintance with metric space topology (Mathematics 25a,b, 55a,b, 101, or 112) and with groups (Mathematics 101 or 122).

Mathematics 134. Calculus on Manifolds

Catalog Number: 7150

Elizabeth Denne



Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Generalization of multivariable calculus to the setting of manifolds in real n -space, as used in the study of global analysis and geometry. Differentiable mappings of linear spaces, the inverse and implicit function theorems, differential forms, integration on manifolds, the general version of Stokes's theorem, integral geometry, applications.

Prerequisite: Mathematics 21a,b and familiarity with proofs as in Mathematics 101, 112, 121, or the equivalent.

Mathematics 135. Differential Topology

Catalog Number: 2107

Eaman Eftekhary

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Smooth manifolds, intersection theory, vector fields, Hopf degree theorem, Euler characteristic, De Rham theory.

Prerequisite: Mathematics 23a,b, 25a,b, 55a,b, or 134.

Mathematics 136. Differential Geometry

Catalog Number: 1949

Shlomo Z. Sternberg

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

The exterior differential calculus and its application to curves and surfaces in 3-space and to various notions of curvature. Introduction to Riemannian geometry in higher dimensions and to symplectic geometry.

Prerequisite: Advanced calculus and linear algebra.

Mathematics 137. Algebraic Geometry

Catalog Number: 0556

Peter B. Kronheimer

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

Affine and projective spaces, plane curves, Bezout's theorem, singularities and genus of a plane curve, Riemann-Roch theorem.

Prerequisite: Mathematics 122, 123.

[Mathematics 138. Classical Geometry]

Catalog Number: 0162

Half course (spring term). Hours to be arranged.

An exploration of the many different flavors of plane geometry. The course begins with finite geometry, then surveys the nine possible Cayley-Klein plane geometries, focusing on Euclidean geometry, the Galilean geometry of uniform motion, spherical and elliptic geometry, and geometries related to relativistic physics such as Minkowskian geometry and hyperbolic geometry. An important tool in the study of these geometries is a study of their symmetry groups.

Note: Expected to be given in 2007–08.

Prerequisite: Mathematics 21a and 21b (may be taken concurrently), or Mathematics 23a, 25a, or 55a.



Mathematics 139. Introduction to Knot Theory - (New Course)

Catalog Number: 5685

Elizabeth Denne

Half course (spring term). M., W., 4–5:30. EXAM GROUP: 9

An introduction to the theory of knots and links. Topics: Seifert matrices and invariants, knot groups and the Alexander polynomial, braids, Jones and other polynomials. Other topics such as the geometry of knots, Vassiliev invariants, and Legendrian knots will be covered as time permits.

Prerequisite: Familiarity with groups (Mathematics 101) and Mathematics 131 or permission of instructor.

Mathematics 141. Introduction to Mathematical Logic

Catalog Number: 0600

Gerald E. Sacks

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An introduction to mathematical logic with applications to computer science and algebra. Formal languages. Completeness and compactness of first order logic. Definability and interpolation. Decidability. Unsolvable problems. Computable functions and Turing machines. Recursively enumerable sets. Transfinite induction.

Prerequisite: Any mathematics course at the level of Mathematics 21a,b or higher, or permission of instructor.

[Mathematics 143. Set Theory]

Catalog Number: 6005

Gerald E. Sacks

Half course (spring term). Hours to be arranged.

Axioms of set theory. Gödel's constructible universe. Consistency of the axiom of choice and of the generalized continuum hypothesis. Cohen's forcing method. Independence of the AC and GCH.

Note: Expected to be given in 2007–08.

Prerequisite: Any mathematics course at the level of 21a or higher, or permission of instructor.

Mathematics 144. Model Theory and Algebra

Catalog Number: 0690

Gerald E. Sacks

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An introduction to model theory with applications to fields and groups. First order languages, structures, and definable sets. Compactness, completeness, and back-and-forth constructions. Quantifier elimination for algebraically closed, differentially closed, and real closed fields. Omitting types, prime extensions, existence and uniqueness of the differential closure, saturation, and homogeneity. Forking, independence, and rank.

Prerequisite: Mathematics 123 or the equivalent is suggested as a prerequisite, but not required.

Mathematics 152. Methods of Discrete Mathematics

Catalog Number: 8389

Paul G. Bamberg



Half course (fall term). Section I: Tu., Th., 1–2:30; Section II: Tu., Th., 2:30–4. EXAM GROUP: 15, 16

An introduction to finite groups, finite fields, finite geometry, discrete probability, and graph theory. A unifying theme of the course is the symmetry group of the regular icosahedron, whose elements can be realized as permutations, as linear transformations of vector spaces over finite fields, as collineations of a finite plane, or as vertices of a graph. Taught in a seminar format, and students will gain experience in presenting proofs at the blackboard.

Note: Students who have taken Mathematics 25ab or 55ab should not take this course for credit.

Prerequisite: Mathematics 21b or equivalent.

Mathematics 153. Mathematical Biology-Evolutionary Dynamics

Catalog Number: 3004 Enrollment: Limited to 30.

Martin A. Nowak

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Introduces basic concepts of mathematical biology and evolutionary dynamics: evolution of genomes, quasi-species, finite and infinite population dynamics, chaos, game dynamics, evolution of cooperation and language, spatial models, evolutionary graph theory, infection dynamics, somatic evolution of cancer.

Note: Limited to seniors and graduate students.

Prerequisite: Mathematics 21a and b, Biological Sciences 50 and 53 or equivalent.

Mathematics 191. Mathematical Probability

Catalog Number: 4306

Paul G. Bamberg

Half course (spring term). Tu., Th., 4–5:30. EXAM GROUP: 18

An introduction to probability theory. Discrete and continuous random variables; distribution and density functions for one and two random variables; conditional probability. Generating functions, weak and strong laws of large numbers, and the central limit theorem. Geometrical probability, random walks, and Markov processes.

Prerequisite: Any mathematics course at the level of Mathematics 19a,b, or 21a, b or higher, or knowledge of multivariable calculus as demonstrated on the online placement test.

Mathematics 192r. Algebraic Combinatorics

Catalog Number: 6612

Lauren K. Williams

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An introduction to the relation between algebra and combinatorics. Topics include generating functions, partially ordered sets and mobius functions, partitions and tableaux theory, and algebraic graph theory.

Note: No prior knowledge of combinatorics is assumed, but familiarity with linear algebra will be helpful.

Cross-listed Courses

Applied Mathematics 105a. Complex and Fourier Analysis

Applied Mathematics 105b. Ordinary and Partial Differential Equations



Applied Mathematics 107. Graph Theory and Combinatorics

***Freshman Seminar 21u. Calculating Pi**

***Freshman Seminar 23j. Chess and Mathematics**

Philosophy 144. Logic and Philosophy

Primarily for Graduates

Mathematics 204. Schrodinger Equation - (New Course)

Catalog Number: 9513

Horng-Tzer Yau

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A review of the recent work concerning the derivation of the Boltzmann equation from the random Schrodinger equation. Related spectral properties of random Schrodinger equation. Bose-Einstein condensation for many Bosons, including the stationary and dynamical properties of Bose gas.

Mathematics 212a. Functions of a Real Variable

Catalog Number: 5446

Joachim Krieger

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Measure and integration, L^p spaces, Hilbert and Banach spaces, some operator theory, spectral theorem, Fourier integrals, distribution theory and applications.

Prerequisite: Experience with courses involving rigorous proofs: e.g. Mathematics 25a, b, 121, 122.

Mathematics 212b. Advanced Real Analysis

Catalog Number: 7294

Yum Tong Siu

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Continuation of Mathematics 212a. Functional analysis and applications. Topics may include distributions, elliptic regularity, spectral theory, operator algebras, unitary representations, and ergodic theory.

Prerequisite: Mathematics 212a and 213a.

Mathematics 213a. Complex Analysis

Catalog Number: 1621

Curtis T. McMullen

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Fundamentals of complex analysis, and further topics such as elliptic functions, canonical products, conformal mapping, extremal length, harmonic measure and capacity.

Prerequisite: Basic complex analysis, topology of covering spaces, differential forms.

Mathematics 213b. Advanced Complex Analysis

Catalog Number: 2641

Curtis T. McMullen

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13



Fundamentals of Riemann surfaces. Topics may include sheaves and cohomology, potential theory, uniformization, and moduli.

Prerequisite: Mathematics 213a.

Mathematics 230ar. Differential Geometry

Catalog Number: 0372

Shing-Tung Yau

Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

Elements of differential geometry: Riemannian geometry, symplectic and Kaehler geometry, Geodesics, Riemann curvature, Darboux's theorem, moment maps and symplectic quotients, complex and Kaehler manifolds, Dolbeault and de Rham cohomology.

Mathematics 230br. Differential Geometry

Catalog Number: 0504

Ilya Zharkov

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

A continuation of Mathematics 230ar. Topics in global Riemannian geometry: Ricci curvature and volume comparison; sectional curvature and distance comparison; Toponogov's theorem and applications; sphere theorems; Gromov's betti number bounds; Gromov-Hausdorff convergence; Cheeger's finiteness theorem, and convergence theorems.

Prerequisite: Mathematics 135.

Mathematics 231. Topics in Nonlinear Hyperbolic PDE - (New Course)

Catalog Number: 6349

Joachim Krieger

Half course (spring term). Tu., Th., 1-2:30. EXAM GROUP: 15, 16

Review of linear wave equation, local and global existence results for quasilinear wave equations, null-condition, blow-up examples, geometric wave equations such as wave maps, Yang-Mills equations. Development of tools from harmonic analysis as needed.

Mathematics 234. Evolutionary Dynamics

Catalog Number: 8136

Martin A. Nowak

Half course (spring term). Tu., Th., 1-2:30. EXAM GROUP: 15, 16

Advanced topics of evolutionary dynamics. Seminars and research projects.

Prerequisite: Experience with mathematical biology at the level of Mathematics 153.

Mathematics 250. Higher Algebra

Catalog Number: 9334

Thomas Lam

Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

An introduction to Galois theory and representation theory of finite groups. Some further topics may include Bauer groups or commutative algebra.

Prerequisite: Mathematics 123 or equivalent.



[Mathematics 251a. Algebraic Number Theory](#)

Catalog Number: 1703

Barry C. Mazur

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

A graduate introduction to algebraic number theory. Topics: the structure of ideal class groups, groups of units, a study of zeta functions and L-functions, local fields, Galois cohomology, local class field theory, and local duality.

Prerequisite: Mathematics 123 or 250 and permission of instructor.

[Mathematics 251b. Algebraic Number Theory](#)

Catalog Number: 7441

Barry C. Mazur

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Continuation of Mathematics 251a. Topics: adeles, global class field theory, duality, cyclotomic fields. Other topics may include: Tate's thesis or Euler systems.

Prerequisite: Mathematics 251a or permission of instructor.

[Mathematics 258y. Introduction to Algebraic Curves and Abelian Varieties - \(New Course\)](#)

Catalog Number: 4767

Sebastian B. Casalaina-Martin

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Focuses on the relation between a curve and its associated Jacobian variety.

Prerequisite: A one year introduction to algebraic geometry.

[Mathematics 259. Introduction to Analytic Number Theory](#)

Catalog Number: 7994

Noam D. Elkies

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

Fundamental methods, results, and problems of analytic number theory. Riemann zeta function and the Prime Number Theorem; Dirichlet's theorem on primes in arithmetic progressions; lower bounds on discriminants etc. from functional equations; sieve methods, analytic estimates on exponential sums, and their applications.

[Mathematics 260a. Introduction to Algebraic Geometry](#)

Catalog Number: 7004

David Helm

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

Introduction to complex algebraic curves, surfaces, and varieties.

Prerequisite: Mathematics 250.

[Mathematics 260b. Introduction to Algebraic Geometry](#)

Catalog Number: 2745

David Helm

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

Continuation of 260a: Introduction to the theory of coherent sheaves, schemes, and sheaf cohomology, with examples and applications.



[Mathematics 261a. Theory of Schemes]

Catalog Number: 0947

Half course (fall term). Hours to be arranged.

An introduction to the theory and language of schemes. We will follow closely Chapters II and III of Hartshorne's book *Algebraic Geometry*.

Note: Expected to be given in 2007–08. Weekly homework will constitute an important part of the course.

Prerequisite: Mathematics 137 and 250 or permission of instructor.

[Mathematics 261b. Theory of Schemes]

Catalog Number: 0956

Samit Dasgupta

Half course (spring term). Hours to be arranged.

Continuation of Mathematics 261a.

Note: Expected to be given in 2007–08.

Mathematics 262x. Metric Geometry and Geometric Group Theory - (New Course)

Catalog Number: 8595

Lior Silberman

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Introduction to the geometry of metric spaces and group actions. Topics may include: non-positive curvature, hyperbolic groups, groups of polynomial growth, groups acting on trees, Kazhdan property (T).

Mathematics 263y. Vertex Operators and Applications

Catalog Number: 2593

John F. Duncan

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

The theory of vertex operators, with applications within and between diverse fields, including: classical and infinite dimensional algebras, quantum field theory, finite simple groups, combinatorics, symmetric functions, and modular forms.

Mathematics 266. KAM Method, Rigidity of Higher-Rank Group Actions and Applications - (New Course)

Catalog Number: 2726

Danijela Damjanovic

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Kolmogorov-Arnold-Moser method and small divisors, geometry and dynamics of higher-rank abelian actions, rigidity and applications to some number theoretic problems.

Mathematics 268. Motivic Integration - (New Course)

Catalog Number: 6554

David Kazhdan

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

Basic concepts of mathematical logic and model theory. Elimination of quantifiers for the theory



of ACVF algebraically closed value fields and the AC-Cohen theorem. 1-dimensional objects of ACVF. Outline of main results.

Mathematics 269. Introduction to Motives - (New Course)

Catalog Number: 0353

Dennis Gaitsgory

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

The goal will be to define Voevodsky's triangulated category of motives and study its basic properties.

Prerequisite: Students must be familiar with the basics of algebraic geometry in the scope of Mathematics 260 a,b.

Mathematics 272a. Introduction to Algebraic Topology

Catalog Number: 1666

Eaman Eftekhary

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Covering spaces and fibrations. Simplicial and CW complexes. Homology and cohomology, universal coefficients and Künneth formulas. Hurewicz theorem. Manifolds and Poincaré duality.

Prerequisite: Mathematics 131 or permission of instructor.

Mathematics 272b. Introduction to Algebraic Topology

Catalog Number: 6502

Michael J. Hopkins

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

Spectral sequences and techniques of computation. Vector bundles and characteristic classes. Bott periodicity. K-theory, cobordism and stable cohomotopy as examples of cohomology theories.

Prerequisite: Mathematics 272a.

Mathematics 275x. Rigidity and Flexibility in Dynamics - (New Course)

Catalog Number: 3058

Curtis T. McMullen

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

A survey of methods, results, and open problems in complex dynamics, hyperbolic geometry, and the ergodic theory of Lie groups.

Mathematics 281. The Symplectic Category and the WKB Approximation

Catalog Number: 4904

Shlomo Z. Sternberg

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Applications of symplectic geometry to high frequency solutions of partial differential equations using the language of category theory.

Prerequisite: Some familiarity with differential geometry and with partial differential equations.

Graduate Courses of Reading and Research



***Mathematics 301. Theory and Practice of Teaching in the Mathematical Sciences**

Catalog Number: 4344

Daniel L. Goroff 7683 (on leave 2006-07)

***Mathematics 302. Topics in Dynamics of Group Actions - (New Course)**

Catalog Number: 5763

Danijela Damjanovic 5583

***Mathematics 304. Topics in Algebraic Topology**

Catalog Number: 0689

Michael J. Hopkins 4376 (on leave fall term)

***Mathematics 307. Topics in Differential Geometry and Partial Differential Equations**

Catalog Number: 5133

Benjamin Weinkove 4942

***Mathematics 308. Topics in Number Theory and Modular Forms**

Catalog Number: 0464

Benedict H. Gross 1112

***Mathematics 309. Topics in Dynamical Systems Theory**

Catalog Number: 0552

Daniel L. Goroff 7683 (on leave 2006-07)

***Mathematics 310. Topics in Number Theory**

Catalog Number: 3874

Samit Dasgupta 5030

***Mathematics 314. Topics in Differential Geometry and Mathematical Physics**

Catalog Number: 2743

Shlomo Z. Sternberg 1965

***Mathematics 318. Topics in Number Theory**

Catalog Number: 7393

Barry C. Mazur 1975

***Mathematics 319. Topics in Representation Theory - (New Course)**

Catalog Number: 9591

John F. Duncan 5505

***Mathematics 321. Topics in Mathematical Physics**

Catalog Number: 2297

Arthur M. Jaffe 2095

***Mathematics 326. Topics in Arithmetic Geometry of Modular Curves and Shimura Curves**



Catalog Number: 2696
David Helm 4630

***Mathematics 327. Topics in Several Complex Variables**

Catalog Number: 0409
Yum Tong Siu 7550

***Mathematics 328. Topics in Lie Algebra**

Catalog Number: 7003
Alberto De Sole 4627 (on leave 2006-07)

***Mathematics 329. Topics in Knot Theory**

Catalog Number: 2194
Elizabeth Denne 5031

***Mathematics 333. Topics in Complex Analysis, Dynamics and Geometry**

Catalog Number: 9401
Curtis T. McMullen 3588

***Mathematics 335. Topics in Differential Geometry and Analysis**

Catalog Number: 5498
Clifford Taubes 1243

***Mathematics 342. Topics in Combinatorics**

Catalog Number: 0751
Thomas Lam 5322

***Mathematics 345. Topics in Geometry and Topology**

Catalog Number: 4108
Peter B. Kronheimer 1759

***Mathematics 346y. Topics in Analysis: Quantum Dynamics**

Catalog Number: 1053
Hong-Tzer Yau 5260

***Mathematics 347. Topics in Floer Homology and Low Dimensional Topology**

Catalog Number: 7227
Eaman Eftekhary 5045

***Mathematics 350. Topics in Mathematical Logic**

Catalog Number: 5151
Gerald E. Sacks 3862

***Mathematics 351. Topics in Algebraic Number Theory**

Catalog Number: 3492
Richard L. Taylor 1453 (on leave 2006-07)



***Mathematics 356. Topics in Harmonic Analysis**

Catalog Number: 6534

Wilfried Schmid 5097 (on leave fall term)

***Mathematics 365. Topics in Differential Geometry**

Catalog Number: 4647

Shing-Tung Yau 1734 (on leave spring term)

***Mathematics 371. Topics in Partial Differential Equations and Mathematical Physics**

Catalog Number: 0777

Robert M. Strain 5323 (on leave 2006-07)

***Mathematics 376. Topics in Analysis of Partial Differential Equations**

Catalog Number: 1023

Joachim Krieger 4632

***Mathematics 379. Topics in Combinatorics - (New Course)**

Catalog Number: 3390

Lauren K. Williams 5499

***Mathematics 381. Introduction to Geometric Representation Theory**

Catalog Number: 0800

Dennis Gaitsgory 5259

***Mathematics 382. Topics in Algebraic Geometry**

Catalog Number: 2037

Joseph D. Harris 2055

***Mathematics 383. Topics in Algebraic Geometry**

Catalog Number: 7736

Ilya Zharkov 4631

***Mathematics 384. Topics in Automorphic Forms - (New Course)**

Catalog Number: 8009

Lior Silberman 5506

***Mathematics 386. Topics in Several Complex Variables and CR Geometry**

Catalog Number: 3746

Andreea C. Nicoara 4374 (fall term only)

***Mathematics 388. Topics in Mathematics and Biology**

Catalog Number: 4687

Martin A. Nowak 4568



***Mathematics 389. Topics in Number Theory**

Catalog Number: 6851

Noam D. Elkies 2604

***Mathematics 398. Topics in Algebraic and Geometric Topology**

Catalog Number: 0863

Véronique Godin 5311

Medical Sciences

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Medical Sciences

Thomas M. Roberts, Professor of Pathology and Dean of the Division of Medical Sciences
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Michael C. Carroll, Professor of Pediatrics (*Medical School*)

Susan M. Dymecki, Associate Professor of Genetics (*Medical School*)

Raymond L. Erikson, American Cancer Society Professor of Cellular and Developmental
Biology

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Edward E. Harlow, Professor of Biological Chemistry and Molecular Pharmacology (*Medical
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Stephen C. Harrison, Professor of Biological Chemistry and Molecular Pharmacology (*Medical
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Peter M. Howley, Shattuck Professor of Pathological Anatomy (*Medical School*)

Robert E. Kingston, Professor of Genetics (*Medical School*)

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Philip Leder, John Emory Andrus Professor of Genetics (*Medical School*)

Rosalind A. Segal, Professor of Neurobiology (*Medical School*)

Michael Starnbach, Associate Professor of Microbiology and Molecular Genetics (*Medical
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Shannon Turley, Assistant Professor of Pathology (*Medical School*)

Christopher T. Walsh, Hamilton Kuhn Professor of Biological Chemistry and Molecular
Pharmacology (*Medical School*)

Gary I. Yellen, Professor of Neurobiology (*Medical School*)

Other Faculty Offering Instruction in the Division of Medical Sciences



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(Medical School)

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Chester Alper, Professor of Pediatrics *(Medical School)*

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David M. Altshuler, Associate Professor of Genetics and of Medicine *(Medical School)*

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Jonathan P. Arm, Associate Professor of Medicine *(Medical School)*

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(Medical School)

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(Medical School)

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Jack Bergman, Associate Professor of Psychobiology *(Medical School)*

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Antonio C. Bianco, Associate Professor of Medicine *(Medical School)*

Stephen C. Blacklow, Associate Professor of Pathology *(Medical School)*

T. Keith Blackwell, Associate Professor of Pathology *(Medical School)*

John Blenis, Professor of Cell Biology *(Medical School)*

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Richard S. Blumberg, Professor of Medicine *(Medical School)*

Marianne Boes, Assistant Professor of Dermatology *(Medical School)*

Vadim Bolshakov, Associate Professor of Psychiatry *(Medical School)*

Azad Bonni, Associate Professor of Pathology *(Medical School)*

Richard T. Born, Professor of Neurobiology *(Medical School)*



Xandra O. Breakefield, Professor of Neurology (*Medical School*)
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Emery N. Brown, Massachusetts General Hospital Professor of Anesthesia (*Medical School*)
Myles A. Brown, Associate Professor of Medicine (*Medical School*)
Robert H. Brown, Professor of Neurology (*Medical School*)
Joan S. Brugge, Professor of Cell Biology (*Medical School*)
Martha L. Bulyk, Assistant Professor of Medicine and Health Sciences and Technology and of Pathology (*Medical School*)
H. Franklin Bunn, Professor of Medicine (*Medical School*)
Stephen Buratowski, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Rami Burstein, Associate Professor of Anaesthesia (*Medical School*)
S. Barak Caine, Associate Professor of Psychology (*Medical School*)
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James J. Campbell, Assistant Professor of Dermatology (*Medical School*)
Lewis C. Cantley, Professor of Medicine (*Medical School*)
Alan B. Cantor, Assistant Professor of Pediatrics (*Medical School*)
Harvey Cantor, Professor of Pathology (*Medical School*)
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Charles B. Carpenter, Professor of Medicine (*Medical School*)
Christopher L. Carpenter, Associate Professor of Medicine (*Medical School*)
Constance L. Cepko, Professor of Genetics (*Medical School*)
Joanne Chan, Assistant Professor of Surgery (*Medical School*)
Chinfei Chen, Assistant Professor of Neurology (*Medical School*)
Dong Feng Chen, Assistant Professor of Ophthalmology (*Medical School*)
Zheng-Yi Chen, Assistant Professor of Neurology (*Medical School*)
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Lynda Chin, Associate Professor of Dermatology (*Medical School*)
James J. Chou, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
George M. Church, Professor of Genetics (*Medical School*)
Karen M. Cichowski, Assistant Professor of Medicine (*Medical School*)
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Jon Clardy, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Donald M. Coen, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
David E. Cohen, Associate Professor of Medicine and Health Sciences and Technology (*Medical School*)
Jonathan B. Cohen, Professor of Neurobiology (*Medical School*)
Monica P. Colaiacovo, Assistant Professor of Genetics (*Medical School*)
R. John Collier, Maude and Lillian Presley Professor of Microbiology and Molecular Genetics (*Medical School*)
Tucker Collins, S. Burt Wolbach Professor of Pathology (*Medical School*)



David P. Corey, Professor of Neurobiology (*Medical School*)
Gabriel Corfas, Associate Professor of Neurology (*Medical School*)
Douglas Allen Cotanche, Associate Professor of Otolaryngology (*Medical School*)
Clyde S. Crumpacker II, Professor of Medicine (*Medical School*)
James M. Cunningham, Associate Professor of Medicine (*Medical School*)
Charles A. Czeisler, Frank Baldino, Jr., PhD, Professor of Sleep Medicine (*Medical School*)
Patricia A. D'Amore, Professor of Ophthalmology (*Medical School*)
Alan D. D'Andrea, Alvan T. and Viola D. Fuller American Cancer Society Professor of Radiation Oncology (*Medical School*)
George Q. Daley, Associate Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Nika Danial, Assistant Professor of Pathology (*Medical School*)
Alan J. Davidson, Assistant Professor of Medicine (*Medical School*)
James A. DeCaprio, Associate Professor of Medicine (*Medical School*)
Ronald A. DePinho, Professor of Medicine (*Medical School*)
Ronald C. Desrosiers, Professor of Microbiology and Molecular Genetics (*Medical School*)
Charles J. Dimitroff, Assistant Professor of Dermatology (*Medical School*)
Martin E. Dorf, Professor of Pathology (*Medical School*)
Philip R. Dormitzer, Assistant Professor of Pediatrics (*Medical School*)
Simon L. Dove, Assistant Professor of Pediatrics (*Medical School*)
John E. Dowling, Gordon and Llura Gund Professor of Neurosciences (*FAS*) and Professor of Ophthalmology (*Medical School*)
Glenn Dranoff, Associate Professor of Medicine (*Medical School*)
Iain A. Drummond, Assistant Professor of Medicine (*Medical School*)
Catherine Dulac, Higgins Professor of Molecular and Cellular Biology
Susan M. Dymecki, Associate Professor of Genetics (*Medical School*)
Nicholas J. Dyson, Professor of Medicine (*Medical School*)
Michael J. Eck, Associate Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Ulrike Sophie Eggert, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Elaine A. Elion, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Stephen Elledge, Gregor Mendel Professor of Genetics and of Medicine (*Medical School*)
Alan N. Engelman, Associate Professor of Pathology (*Medical School*)
Florian Engert, Associate Professor of Molecular and Cellular Biology
Elizabeth C. Engle, Associate Professor of Neurology (*Medical School*)
Myron Essex, Mary Woodard Lasker Professor of Health Sciences (*Public Health*)
David T. Evans, Assistant Professor of Microbiology and Molecular Genetics (*Medical School*)
Michael R. Farzan, Assistant Professor of Microbiology and Molecular Genetics (*Medical School*)
Mel B. Feany, Associate Professor of Pathology (*Medical School*)
Daniel D. Federman, Carl W. Walter Distinguished Professor of Medicine (*Medical School*)
Joyce D. Fingerroth, Associate Professor of Medicine (*Medical School*)
Daniel Finley, Professor of Cell Biology (*Medical School*)
David E. Fisher, Professor of Pediatrics (*Medical School*)



John G. Flanagan, Professor of Cell Biology (*Medical School*)
Mark Daniel Fleming, Associate Professor of Pathology (*Medical School*)
Dan G. Fraenkel, Professor of Microbiology and Molecular Genetics (*Medical School*)
David A. Frank, Assistant Professor of Medicine (*Medical School*)
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Matthew P. Frosch, Assistant Professor of Pathology (*Medical School*)
Dana Gabuzda, Professor of Neurology (*Medical School*)
Guillermo Garcia-Cardena, Assistant Professor of Pathology (*Medical School*)
Raif S. Geha, James L. Gamble Professor of Pediatrics (*Medical School*)
Lee Gehrke, Professor of Health Sciences and Technology (*Medical School*)
Niels Geijsen, Assistant Professor of Medicine (*Medical School*)
Katia Georgopoulos, Professor of Dermatology (*Medical School*)
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D. Gary Gilliland, Professor of Medicine (*Medical School*)
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Laurie H. Glimcher, Professor of Medicine (*Medical School*) and Irene Heinz Given Professor of Immunology (*Public Health*)
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Alfred L. Goldberg, Professor of Cell Biology (*Medical School*)
Marcia Goldberg, Associate Professor of Medicine (*Medical School*)
Anne E. Goldfeld, Associate Professor of Medicine (*Medical School*)
Daniel A. Goodenough, Takeda Professor of Cell Biology (*Medical School*)
Lisa V. Goodrich, Assistant Professor of Neurobiology (*Medical School*)
Heinrich G.J. Gottlinger, Associate Professor of Pathology (*Medical School*)
Nathanael Gray, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Michael E. Greenberg, Professor of Neurology (*Medical School*)
Michael Grusby, Professor of Molecular Immunology (*Public Health*) and Associate Professor of Medicine (*Medical School*)
Chenghua Gu, Assistant Professor of Neurobiology (*Medical School*)
James Gusella, Bullard Professor of Neurogenetics (*Medical School*)
Emanuela Gussoni, Assistant Professor of Pediatrics (*Medical School*)
Steven P. Gygi, Associate Professor of Cell Biology (*Medical School*)
Daniel A. Haber, Laurel Schwartz Professor of Medicine (*Medical School*)
Nir Hacohen, Assistant Professor of Medicine (*Medical School*)
David Hafler, Jack, Sadie, and David Breakstone Professor of Neurology (*Medical School*)
William C. Hahn, Associate Professor of Medicine (*Medical School*)
Marcia C. Haigis, Assistant Professor of Pathology (*Medical School*)
Donald A. Harn, Professor of Tropical Public Health (*Public Health*)
J. Wade Harper, Bert and Natalie Vallee Professor of Molecular Pathology (*Medical School*)
Anne C. Hart, Associate Professor of Pathology (*Medical School*)
Xi He, Associate Professor of Neurology (*Medical School*)
Zhigang He, Associate Professor of Neurology (*Medical School*)
Martin E. Hemler, Professor of Pathology (*Medical School*)



Darren E. Higgins, Associate Professor of Microbiology and Molecular Genetics (*Medical School*)
Jonathan M. G. Higgins, Assistant Professor of Medicine (*Medical School*)
Martin S. Hirsch, Professor of Medicine (*Medical School*) and Professor of Immunology and Infectious Diseases (*Public Health*) (*Medical School*)
Joel N. Hirschhorn, Associate Professor of Genetics (*Medical School*)
I-Cheng Ho, Associate Professor of Medicine (*Medical School*)
Ann Hochschild, Professor of Microbiology and Molecular Genetics (*Medical School*)
Hanno Reinhard Hock, Assistant Professor of Medicine (*Medical School*)
James M. Hogle, Edward S. Harkness Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Bruce H. Horwitz, Assistant Professor of Pediatrics (*Medical School*)
Victor Wee Hsu, Associate Professor of Medicine (*Medical School*)
Guo-Fu Hu, Assistant Professor of Pathology (*Medical School*)
Deborah Tan Hung, Assistant Professor of Microbiology and Molecular Genetics (*Medical School*)
Bradley T. Hyman, John B. Penny, Jr. Professor of Neurology (*Medical School*)
John J. Iacomini, Associate Professor of Surgery (*Medical School*)
Donald E. Ingber, Judah Folkman Professor of Vascular Biology (*Medical School*)
Ole S. Isacson, Professor of Neurology (*Medical School*)
Joseph E. Italiano, Assistant Professor of Medicine (*Medical School*)
Laurie Jackson-Grusby, Assistant Professor of Pathology (*Medical School*)
Rakesh K. Jain, A. Werk Cook Professor of Radiation Oncology (*Medical School*)
Frances E. Jensen, Associate Professor of Neurology (*Medical School*)
Robert P. Johnson, Associate Professor of Medicine (*Medical School*)
Welkin E. Johnson, Assistant Professor of Microbiology and Molecular Genetics (*Medical School*)
J. Keith Joung, Assistant Professor of Pathology (*Medical School*)
Jae Ung Jung, Professor of Microbiology and Molecular Genetics (*Medical School*)
C. Ronald Kahn, Mary K. Iacocca Professor of Medicine (*Medical School*)
Daniel E. Kahne, Professor of Chemistry and Chemical Biology (*FAS*) and Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Raghu Kalluri, Associate Professor of Medicine (*Medical School*)
Yoshihide Kanaoka, Assistant Professor of Medicine (*Medical School*)
Joshua M. Kaplan, Professor of Genetics (*Medical School*)
Dennis L. Kasper, William Ellery Channing Professor of Medicine (*Medical School*)
Howard R. Katz, Associate Professor of Medicine (*Medical School*)
Kenneth M. Kaye, Associate Professor of Medicine (*Medical School*)
Andrius Kazlauskas, Associate Professor of Ophthalmology (*Medical School*)
Vicki R. Kelley, Associate Professor of Medicine (*Medical School*)
Roya Khosravi-Far, Associate Professor of Pathology (*Medical School*)
Elliott D. Kieff, Harriet Ryan Albee Professor of Medicine (*Medical School*)
Kwang-Soo Kim, Associate Professor of Psychiatry (*Medical School*)
Jean-Pierre Kinet, Professor of Pathology (*Medical School*)
Randy King, Associate Professor of Cell Biology (*Medical School*)
Tomas Kirchhausen, Professor of Cell Biology (*Medical School*)



Marc W. Kirschner, Professor of Systems Biology (*Medical School*)
Michael Klagsbrun, Patricia A. Donahue Professor of Surgery (*Medical School*)
Nancy Kleckner, Herchel Smith Professor of Molecular Biology
David M. Knipe, Higgins Professor of Microbiology and Molecular Genetics (*Medical School*)
Koichi S. Kobayashi, Assistant Professor of Pathology (*Medical School*)
Roberto G. Kolter, Professor of Microbiology and Molecular Genetics (*Medical School*)
Walter J. Koroshetz, Professor of Neurology (*Medical School*)
Stella Kourembanas, Clement A. Smith Associate Professor of Pediatrics (*Medical School*)
Edward A. Kravitz, George Packer Berry Professor of Neurobiology (*Medical School*)
Jordan A. Kreidberg, Associate Professor of Pediatrics (*Medical School*)
Raju Kucherlapati, Paul C. Cabot Professor of Genetics (*Medical School*)
Vijay K. Kuchroo, Samuel L. Wasserstrom Professor of Neurology (*Medical School*)
Rohit N. Kulkarni, Assistant Professor of Medicine (*Medical School*)
Samuel M. Kunes, Professor of Molecular and Cellular Biology
Louis M. Kunkel, Professor of Pediatrics (*Medical School*)
Daniel R. Kuritzkes, Professor of Medicine (*Medical School*)
Mitzi I. Kuroda, Professor of Genetics (*Medical School*)
David J. Kwiatkowski, Professor of Medicine (*Medical School*)
Lois A. Lampson, Associate Professor of Surgery (*Medical School*)
Peter T. Lansbury, Professor of Neurology (*Medical School*)
Andrew B. Lassar, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Philippe Leboulch, Associate Professor of Medicine (*Medical School*)
Jeannie T. Lee, Professor of Genetics (*Medical School*)
Tun-Hou Lee, Professor of Virology (*Public Health*)
Wayne I. Lencer, Associate Professor of Pediatrics (*Medical School*)
Cammie Lesser, Assistant Professor of Medicine (*Medical School*)
Anthony G. Letai, Assistant Professor of Medicine (*Medical School*)
Norman Letvin, Professor of Medicine (*Medical School*)
Michael Levin, Professor of Biological Chemistry and Molecular Pharmacology (*Dental School*)
Andrew H. Lichtman, Associate Professor of Pathology (*Medical School*)
Jeff Lichtman, Professor of Molecular and Cellular Biology
Judy Lieberman, Professor of Pediatrics (*Medical School*)
David Morse Livingston, Emil Frei Professor of Medicine (*Medical School*)
Margaret S. Livingstone, Professor of Neurobiology (*Medical School*)
Eng H. Lo, Professor of Radiology (*Medical School*)
Mary R. Loeken, Associate Professor of Medicine (*Medical School*)
Irving M. London, Professor of Medicine, Emeritus (*Medical School*)
A. Thomas Look, Professor of Pediatrics (*Medical School*)
Stephen Lory, Professor of Microbiology and Molecular Genetics (*Medical School*)
Kun Ping Lu, Associate Professor of Medicine (*Medical School*)
Hongbo Luo, Assistant Professor of Pathology (*Medical School*)
Francis W. Luscinskas, Associate Professor of Pathology (*Medical School*)
Andrew D. Luster, Professor of Medicine (*Medical School*)
Qiufu Ma, Associate Professor of Neurobiology (*Medical School*)
Richard L. Maas, Professor of Medicine (*Medical School*)



Marcy E. MacDonald, Associate Professor of Neurology (*Medical School*)
Jeffrey D. Macklis, Associate Professor of Surgery (*Medical School*)
Joseph A. Majzoub, Thomas Morgan Rotch Professor of Pediatrics (*Medical School*)
Clint L. Makino, Associate Professor of Ophthalmology (*Medical School*)
Jarema Malicki, Assistant Professor of Ophthalmology (Genetics) (*Medical School*)
Eleftheria Maratos-Flier, Associate Professor of Medicine (*Medical School*)
Jarrod Marto, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Richard H. Masland, Charles Anthony Pappas Professor of Neuroscience (*Medical School*)
Diane J. Mathis, Professor of Medicine (*Medical School*)
John Maunsell, Professor of Neurobiology (*Medical School*)
Tanya Mayadas, Associate Professor of Pathology (*Medical School*)
Andrea I. McClatchey, Associate Professor of Pathology (*Medical School*)
Frank D. McKeon, Professor of Cell Biology (*Medical School*)
Markus Meister, Jeff C. Tarr Professor of Molecular and Cellular Biology
John J. Mekalanos, Adele Lehman Professor of Microbiology and Molecular Genetics (*Medical School*)
Matthew L. Meyerson, Associate Professor of Pathology (*Medical School*)
Thomas Michel, Professor of Medicine (*Medical School*)
Alan M. Michelson, Associate Professor of Medicine (*Medical School*)
Timothy J. Mitchison, Hasib Sabbagh Professor of Systems Biology (*Medical School*)
Danesh Moazed, Professor of Cell Biology (*Medical School*)
D. Branch Moody, Associate Professor of Medicine (*Medical School*)
Cynthia C. Morton, William Lambert Richardson Professor of Obstetrics, Gynecology, and Reproductive Biology (*Medical School*)
Marsha Moses, Professor of Surgery (*Medical School*)
Richard C. Mulligan, Mallinckrodt Professor of Genetics (*Medical School*)
Karl Münger, Associate Professor of Medicine (*Medical School*)
Venkatesh N. Murthy, Morris Kahn Associate Professor of Molecular and Cellular Biology, Tutor in Biochemical Sciences, Professor of Molecular and Cellular Biology
Anders Michael Naar, Assistant Professor of Cell Biology (*Medical School*)
Lee M. Nadler, Virginia and D.K. Ludwig Professor of Medicine (*Medical School*)
Cathryn R. Nagler-Anderson, Associate Professor of Pediatrics (*Medical School*)
N. Nanda Nanthakumar, Assistant Professor of Pediatrics (*Medical School*)
Benjamin Neel, Professor of Medicine (*Medical School*)
Charles A. Nelson, Professor of Pediatrics (*Medical School*)
Max L. Nibert, Professor of Microbiology and Molecular Genetics (*Medical School*)
Anne Nicholson-Weller, Professor of Medicine (*Medical School*)
Carl D. Novina, Assistant Professor of Pathology (*Medical School*)
Marjorie A. Oettinger, Professor of Genetics (*Medical School*)
Bjørn R. Olsen, Professor of Developmental Biology and Hersey Professor of Cell Biology (*Dental School, Medical School*)
Stuart H. Orkin, David G. Nathan Professor of Pediatrics (*Medical School*)
Sandra Orsulic, Assistant Professor of Pathology (*Medical School*)
Carol A. Paronis, Assistant Professor of Psychobiology (*Medical School*)
Jeffrey D. Parvin, Associate Professor of Pathology (*Medical School*)



David L. Paul, Professor of Neurobiology (*Medical School*)
David Pellman, Associate Professor of Pediatrics (*Medical School*)
Lizabeth A. Perkins, Associate Professor of Surgery (*Medical School*)
Norbert Perrimon, Professor of Genetics (*Medical School*)
Gerald Pier, Professor of Medicine (Microbiology and Molecular Genetics) (*Medical School*)
Shiv S. Pillai, Associate Professor of Medicine (*Medical School*)
Martin R. Pollak, Associate Professor of Medicine (*Medical School*)
Kornelia Polyak, Associate Professor of Medicine (*Medical School*)
Scott L. Pomeroy, Bronson Crothers Professor of Neurology (*Medical School*)
William T. Pu, Assistant Professor of Pediatrics (*Medical School*)
Pere B. Puigserver, Assistant Professor of Cell Biology (*Medical School*)
Samuel D. Rabkin, Associate Professor of Surgery (*Medical School*)
Laurel A. Raftery, Associate Professor of Dermatology (*Medical School*)
Klaus Rajewsky, Fred S. Rosen Professor of Pediatrics (*Medical School*)
Anjana Rao, Professor of Pathology (*Medical School*)
Tom Rapoport, Professor of Cell Biology (*Medical School*)
Elio Raviola, Bullard Professor of Neurobiology (*Medical School*)
Robin Reed, Professor of Cell Biology (*Medical School*)
Wade G. Regehr, Professor of Neurobiology (*Medical School*)
David Emil Reich, Assistant Professor of Genetics (*Medical School*)
R. Clay Reid, Professor of Neurobiology (*Medical School*)
Ellis L. Reinherz, Professor of Medicine (*Medical School*)
Charles C. Richardson, Edward S. Wood Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Charles M. Roberts, Assistant Professor of Pediatrics (*Medical School*)
Barrett J. Rollins, Professor of Medicine (*Medical School*)
Evan David Rosen, Assistant Professor of Medicine (*Medical School*)
Vicki Rosen, Professor of Developmental Biology (*Dental School*)
Paul Allen Rosenberg, Associate Professor of Neurology (*Medical School*)
Frederick P. Roth, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Eric J. Rubin, Associate Professor of Immunology and Infectious Diseases (*Public Health*) and Assistant Professor of Medicine (*Medical School*)
Robert H. Rubin, Gordon and Marjorie Osborn Professor of Health Sciences and Technology and Professor of Medicine (*Medical School*)
Joan V. Ruderman, Marion V. Nelson Professor of Cell Biology (*Medical School*)
David Z. Rudner, Assistant Professor of Microbiology and Molecular Genetics (*Medical School*)
Ruth M. Ruprecht, Professor of Medicine (*Medical School*)
Gary B. Ruvkun, Professor of Genetics (*Medical School*)
Bernardo L. Sabatini, Associate Professor of Neurobiology (*Medical School*)
David H. Sachs, Paul S. Russell/Warner Lambert Professor of Surgery (*Medical School*)
Manish Sagar, Assistant Professor of Medicine (*Medical School*)
Adrian Salic, Assistant Professor of Cell Biology (*Medical School*)
Joshua R. Sanes, Professor of Molecular and Cellular Biology
Clifford B. Saper, James Jackson Putnam Professor of Neurology (*Medical School*)
David T. Scadden, Gerald and Darlene Jordan Professor of Medicine (*Medical School*)



Priscilla A. Schaffer, Professor of Medicine (*Medical School*)
Stuart F. Schlossman, Baruj Benacerraf Professor of Medicine, Emeritus (*Medical School*)
Dietmar Schmucker, Assistant Professor of Neurobiology (*Medical School*)
Stuart L. Schreiber, Morris Loeb Professor of Chemistry (*on leave 2006-07*)
Thomas M. Schultheiss, Associate Professor of Medicine (*Medical School*)
Peter H. Schur, Professor of Medicine (*Medical School*)
Richard M. Schwartzstein, Associate Professor of Medicine (*Medical School*)
Thomas L. Schwarz, Professor of Neurology and Neurobiology (*Medical School*)
Ralph Scully, Assistant Professor of Medicine (*Medical School*)
Brian Seed, Professor of Genetics (*Medical School*)
Rosalind A. Segal, Professor of Neurobiology (*Medical School*)
Christine E. Seidman, Thomas W. Smith Professor of Medicine (*Medical School*)
Jonathan G. Seidman, Henrietta B. and Frederick H. Bugher Foundation Professor of Genetics (*Medical School*)
Julian L. Seifter, Associate Professor of Medicine (*Medical School*)
Dennis J. Selkoe, Vincent and Stella Coates Professor of Neurologic Diseases (*Medical School*)
Charles N. Serhan, Simon Gelman Professor of Anaesthesia (*Medical School*)
Jeffrey E. Settleman, Professor of Medicine (*Medical School*)
Arlene H. Sharpe, George Fabyan Professor of Comparative Pathology (*Medical School*)
Carla J. Shatz, Nathan Marsh Pusey Professor of Neurobiology (*Medical School*)
Jen Sheen, Professor of Genetics (*Medical School*)
Jie Shen, Associate Professor of Neurology (*Medical School*)
Yang Shi, Professor of Pathology (*Medical School*)
Yujiang Shi, Assistant Professor of Medicine (*Medical School*)
William Shih, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Ramesh Arjun Shivdasani, Associate Professor of Medicine (*Medical School*)
Steven E. Shoelson, Professor of Medicine (*Medical School*)
Piotr Sicinski, Associate Professor of Pathology (*Medical School*)
Pamela A. Silver, Professor of Systems Biology (*Medical School*)
David A. Sinclair, Associate Professor of Pathology (*Medical School*)
Pamela B. Sklar, Associate Professor of Psychiatry (*Medical School*)
Susan A. Slaugenhaupt, Associate Professor of Neurology (*Medical School*)
Scott Brian Snapper, Assistant Professor of Medicine (*Medical School*)
Joseph G. Sodroski, Professor of Pathology (*Medical School*) and Professor of Cancer Biology (*Public Health*)
Bruce M. Spiegelman, Professor of Cell Biology (*Medical School*)
Timothy A. Springer, Latham Family Professor of Pathology (*Medical School*)
Michael Starnbach, Associate Professor of Microbiology and Molecular Genetics (*Medical School*)
Joan E. Stein-Streilein, Associate Professor of Ophthalmology (*Medical School*)
Richard L. Stevens, Professor of Medicine (*Medical School*)
Charles D. Stiles, Professor of Microbiology and Molecular Genetics (*Medical School*)
Gary R. Strichartz, Professor of Anaesthesia (*Medical School*)
Terry B. Strom, Professor of Medicine (*Medical School*)
Jack L. Strominger, Higgins Professor of Biochemistry



Kevin Struhl, David Wesley Gaiser Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Shamil R. Sunyaev, Assistant Professor of Medicine and Health Sciences and Technology (*Medical School*)
Kathleen J. Sweadner, Associate Professor of Cellular and Molecular Physiology in the Department of Surgery (*Medical School*)
Megan Sykes, Harold and Ellen Danser Professor of Surgery (*Medical School*)
Jack Szostak, Professor of Genetics (*Medical School*)
Clifford J. Tabin, Professor of Genetics (*Medical School*)
Rudolph E. Tanzi, Professor of Neurology (*Medical School*)
Daniel G. Tenen, Professor of Medicine (*Medical School*)
Cox Terhorst, Professor of Medicine (*Medical School*)
Sheila Thomas, Assistant Professor of Medicine (*Medical School*)
Alex Toker, Associate Professor of Pathology (*Medical School*)
Shannon Turley, Assistant Professor of Pathology (*Medical School*)
Dale T. Umetsu, Prince Turki Bin Abdul Aziz Al-Saud Professor of Pediatrics (*Medical School*)
Antoine van Oijen, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
David L. Van Vactor, Professor of Cell Biology (*Medical School*)
Marc Vidal, Associate Professor of Genetics (*Medical School*)
Ulrich H. Von Andrian-Werburg, Edward Mallinckrodt, Jr. Professor of Immunopathology (*Medical School*)
Harald Von Boehmer, Professor of Pathology (*Medical School*)
Amy Jo Wagers, Assistant Professor of Pathology (*Medical School*)
Denisa D. Wagner, Professor of Pathology (*Medical School*)
Gerhard Wagner, Elkan Blout Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Loren D. Walensky, Assistant Professor of Pediatrics (*Medical School*)
Bruce Walker, Professor of Medicine (*Medical School*)
Suzanne Walker, Professor of Microbiology and Molecular Genetics (*Medical School*)
W. Allan Walker, Conrad Taff Professor of Pediatrics (*Medical School*) and Professor of Nutrition (*Public Health*)
Christopher A. Walsh, Bullard Professor of Neurology (*Medical School*)
Christopher T. Walsh, Hamilton Kuhn Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Johannes Walter, Associate Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Thomas Walz, Professor of Cell Biology (*Medical School*)
Frederick C. Wang, Professor of Medicine (*Medical School*)
Paula I. Watnick, Assistant Professor of Pediatrics (*Medical School*)
Howard L. Weiner, Robert L. Kroc Professor of Neurology (*Medical School*)
Charles J. Weitz, Robert Henry Pfeiffer Professor of Neurobiology (*Medical School*)
Peter F. Weller, Professor of Medicine (*Medical School*)
Michael R. Wessels, Professor of Pediatrics (*Medical School*)
Marianne Wessling-Resnick, Professor of Nutritional Biochemistry (*Public Health*)
Sean P.J. Whelan, Assistant Professor of Microbiology and Molecular Genetics (*Medical School*)



Kristin White, Associate Professor of Dermatology (*Medical School*)
 Morris F. White, Professor of Pediatrics (*Medical School*)
 Malcolm Whitman, Professor of Developmental Biology (*Dental School*)
 Rachel I. Wilson, Assistant Professor of Neurobiology (*Medical School*)
 Fred Winston, Professor of Genetics (*Medical School*)
 Dyann F. Wirth, Professor of Tropical Public Health (*Public Health*)
 Michael S. Wolfe, Associate Professor of Neurology (*Medical School*)
 Clifford Woolf, Richard J. Kitz Professor of Anaesthesia Research (*Medical School*)
 Chao-Ting Wu, Professor of Pediatrics (Genetics) (*Medical School*)
 Kai Wucherpfennig, Professor of Neurology (*Medical School*)
 Priscilla Yang, Assistant Professor of Microbiology and Molecular Genetics (*Medical School*)
 Bruce Yankner, Professor of Pathology (*Medical School*)
 Anne B. Young, Julieanne Dorn Professor of Neurology (*Medical School*)
 Junying Yuan, Professor of Cell Biology (*Medical School*)
 Edmond J. Yunis, Professor of Pathology (*Medical School*)
 Bruce R. Zetter, Charles Nowiszewski Professor of Cancer Biology (*Medical School*)
 Jing Zhou, Associate Professor of Medicine (*Medical School*)
 Leonard I. Zon, Grousbeck Professor of Pediatrics (*Medical School*)
 Lee Zou, Assistant Professor of Medicine (*Medical School*)

The Division of Medical Sciences makes available to graduate students the facilities of the preclinical departments and research laboratories of the Harvard Medical School and its affiliated hospitals and institutions. The Division offers advanced courses and research in cell biology, biological chemistry and molecular pharmacology, genetics, immunology, microbiology and molecular genetics, neurosciences, pathology, physiology, and virology. Qualified undergraduates may be admitted with the permission of the instructor and the student's department of concentration, as far as the facilities of the special laboratories permit. Inquiries should be addressed to the Division of Medical Sciences, Harvard Medical School, 260 Longwood Avenue, Boston, MA 02115, or telephone (617) 432-0162, email address dms@hms.harvard.edu.

For other courses in biological sciences, see listings of the Program in Biological Sciences in Public Health, Biophysics and Molecular and Cellular Biology.

Biological and Biomedical Sciences (BBS)

BBS is an interdepartmental program within the Division of Medical Sciences at Harvard Medical School. BBS faculty are primarily drawn from five preclinical departments of the Medical School: Biological Chemistry and Molecular Pharmacology (BCMP); Cell Biology; Genetics; Microbiology and Molecular Genetics; and Pathology. In addition, selected faculty located within area hospitals and institutions are members of BBS.

Graduate Courses of Reading and Research



***BBS 333r. Introduction to Research in Biological and Biomedical Sciences**

Catalog Number: 1206

Robert E. Kingston (Medical School) 1153

Note: BBS students register for lab rotations under this course number.

***BBS 380. Reading and Research in Biological and Biomedical Sciences**

Catalog Number: 0349

Robert E. Kingston (Medical School) 1153

Biological Chemistry and Molecular Pharmacology

All courses in Biological Chemistry and Molecular Pharmacology are subject to limitation in enrollment and will not be offered unless there is sufficient demand. For courses in Neuropharmacology, see listings under Neurobiology. For more courses in biochemistry, see other listings in the FAS Biological Sciences section.

Primarily for Graduates

BCMP 200. Molecular Biology

Catalog Number: 5591

Johannes Walter (Medical School), Stephen Buratowski (Medical School), David E. Fisher (Medical School), Ralph Scully (Medical School), William Shih (Medical School), and Gerhard Wagner (Medical School)

Half course (fall term). M., W., F., 10:30–12.

An advanced treatment of the Central Dogma of molecular biology. Considers the molecular basis of genetic information transfer from DNA to RNA to protein, using current examples from eukaryotic and prokaryotic systems. Lectures, discussion groups and research seminars.

Note: Offered jointly with the Medical School as BP 723.0.

Prerequisite: Intended primarily for graduate students familiar with basic molecular biology or with strong biology/chemistry background.

BCMP 201. Proteins: Structure, Function and Catalysis

Catalog Number: 5068

Michael J. Eck (Medical School), Stephen C. Blacklow (Medical School), Jarrod Marto (Medical School), Frederick P. Roth (Medical School), and Michael S. Wolfe (Medical School)

Half course (spring term). Tu., Th., 9:30–11, W., 4:30–6.

Protein biochemistry with emphasis on the interrelated roles of protein structure, catalytic activity, and macromolecular interactions in biological processes. Course provides the core background and perspective required to consider and dissect biological problems at a mechanistic, molecular level.

Note: For more information, see the course syllabus at MyCourses.med.harvard.edu. Offered jointly with the Medical School and cross listed on the MyCourses website as BP 714.0.

Prerequisite: The course is intended for all DMS graduate students and is open to advanced undergraduates.



[*BCMP 205. Principles of Pharmacology]

Catalog Number: 1737

David E. Golan (Medical School) and members of the Department

Half course (fall term). M. through F., 8:30–12.

Intensive introduction to pharmacology, emphasizing mechanisms of drug action and principles of drug-receptor interactions, pharmacokinetics, and drug metabolism. Major drug examples drawn from neuropharmacology, cardiovascular pharmacology, endocrine pharmacology, autacoids, and chemotherapeutic agents.

Note: Expected to be given in 2007–08. Offered jointly with the Medical School as IN 705.0. Ten hours of lecture and large-group discussion, four hours of conference, and four hours of tutorial per week. Permission of both the course director and the Medical School Registrar is required.

Prerequisite: Introductory biochemistry and physiology preferred but not required.

BCMP 207. Molecular Approaches to Drug Action, Discovery, and Design

Catalog Number: 0529 Enrollment: May be limited.

Donald M. Coen (Medical School), and members of the department.

Half course (spring term). Tu., Th., 3:30–5:30.

Explores how molecular biology, structural biology, and modern enzymology revolutionized understanding of drug action and development of new therapies. Analyzes molecular underpinnings of basic pharmacological principles. Examples drawn from molecular pathways with application to diseases, including, cancer, diabetes, and AIDS.

Note: Offered jointly with the Medical School as BP 715.0. Primarily for graduate students.

BCMP 210. Theory and Practice of Techniques in Molecular Biology

Catalog Number: 1230

Welcome W. Bender (Medical School) and assistants

Half course (fall term). M., W., F., 2–4.

Reviews the principles of common lab techniques, and discusses recent innovations. Topics include separation and detection methods for nucleic acids and proteins, nucleic acid reassociations, and polymerase reactions. Course format includes lecture, lab experiments, and discussions.

Note: Offered jointly with the Medical School as BP 725.0.

Prerequisite: Prior exposure to molecular techniques and current residence in a lab equipped for molecular work.

***BCMP 213. Behavioral Pharmacology**

Catalog Number: 4782 Enrollment: Limited to 15.

Jack Bergman (Medical School) and Carol A. Paronis (Medical School)

Half course (spring term). M., W., 2–3:30.

Introduction to CNS pharmacology and behavior in seminar format. Effects of psychomotor stimulants, antischizophrenics, opioid analgesics, and antianxiety agents on behavior. Emphasis on methodology and pharmacological analysis; attention to tolerance, drug dependence/addiction.

Note: Offered jointly with the Medical School as BP 719.0.



***BCMP 218. Molecular Medicine - (New Course)**

Catalog Number: 2049 Enrollment: Limited to 25.

Irving M. London (Medical School), David E. Cohen (Medical School), and George Q. Daley (Medical School)

Half course (fall term). Tu., 1–3.

The course involves close reading of primary scientific papers that illustrate classical paradigms in molecular medicine. Emphasis will be placed on papers that demonstrate the connections between defined molecular and genetic abnormalities and disease pathogenesis.

Note: Faculty mentors will guide student-led discussions of the papers. Jointly offered with the Medical School as HT 140.

Prerequisite: Molecular Biology and Biochemistry

BCMP 228. Macromolecular NMR

Catalog Number: 3969

Gerhard Wagner (Medical School) and James J. Chou (Medical School)

Half course (fall term). M., F., 2–3:30, W., 2–5.

Theory and practice of modern methods of macromolecular structure determination using multi-dimensional NMR.

Note: Given in alternate years. Offered jointly with the Medical School as BP 722.0. Classroom lectures on Mondays and Fridays. Wednesdays are reserved for either classroom lectures or practical training and hands-on problem solving. The latter includes basic aspects of spectrometer operation, computer-based assignment of protein NMR spectra and structure calculation. Wednesday slots are reserved for registered students and are open ended for completing the training tasks.

BCMP 230. Principles and Practice of Drug Development

Catalog Number: 1295

Robert H. Rubin (Medical School)

Half course (fall term). Th., 3–6.

Critical assessment of the major issues and stages of developing a pharmaceutical or biopharmaceutical. Drug discovery, preclinical development, clinical investigation, manufacturing and regulatory issues considered for small and large molecules. Economic considerations of the drug development process.

[BCMP 232. Physical Principles in Biology]

Catalog Number: 3146

Antoine van Oijen (Medical School), James J. Chou (Medical School), and William Shih (Medical School)

Half course (spring term). M., 2–3:30 and weekly sections to be arranged.

Seeks to help students develop an intuitive grasp of the quantitative principles underlying the behavior of biological macromolecules.

Note: Expected to be given in 2007–08. Given in alternate years. This course is geared toward students who do not have a strong background in physics or math.

BCMP 234. Cellular Metabolism and Human Disease

Catalog Number: 9644



*Thomas Michel (Medical School) and members of the department
Half course (spring term). M., W., 8- 9, F., 8-10 .*

Cellular and organismal metabolism, with focus on interrelationships between key metabolic pathways and human disease states. Genetic and acquired metabolic diseases and functional consequences for specific organ systems. Lectures and conferences are integrated with clinical encounters.

Prerequisite: Knowledge of introductory biochemistry, genetics, and cell biology required (MCB 52 and 54 or equivalent).

Graduate Courses of Reading and Research

***BCMP 300. Enzyme Mechanisms**

Catalog Number: 1867

Christopher T. Walsh (Medical School) 2036

***BCMP 301. High Throughput Functional Proteomics**

Catalog Number: 1535

Edward E. Harlow (Medical School) 2863

***BCMP 309. Regulation of Membrane Protein and Lipid Dynamics: Molecular Mechanisms and Biological Implications**

Catalog Number: 1558

David E. Golan (Medical School) 1558

***BCMP 310. Molecular and Cellular Mechanisms of Insulin Action**

Catalog Number: 4299

Morris F. White (Medical School) 3158

***BCMP 311. Structure of Viruses, Viral Proteins, Receptors, Transcription Factors**

Catalog Number: 3623

Stephen C. Harrison (Medical School) 3597

***BCMP 313. Genetics and Genomics; Tumor Maintenance; Mouse Models**

Catalog Number: 1632

Lynda Chin (Medical School) 3931

***BCMP 314. Protein NMR Spectroscopy of Membrane Protein**

Catalog Number: 3449

James J. Chou (Medical School) 4950

***BCMP 315. Growth Factor Structure and Biological Activity**

Catalog Number: 6034

Michael Klagsbrun (Medical School) 3167

***BCMP 317. Structural and Cellular Biology of Insulin Signal Transduction, Insulin, Resistance, Diabetes and Obesity**



Catalog Number: 3354
Steven E. Shoelson (Medical School) 3951

***BCMP 319. Histone Variants and Chromosome Biology**
Catalog Number: 1748
Kami Ahmad (Medical School) 4592

***BCMP 320. Systems and Synthetic Biology**
Catalog Number: 0265
Pamela A. Silver (Medical School) 1595

***BCMP 322. Thyroid Hormone Metabolism and Action**
Catalog Number: 2050
Antonio C. Bianco (Medical School) 5387

***BCMP 324. Structure and Replication of DNA**
Catalog Number: 5059
Charles C. Richardson (Medical School) 2479

***BCMP 325. Genomic Instability and Cancer Susceptibility**
Catalog Number: 4110
Alan D. D'Andrea (Medical School) 3532

***BCMP 328. Computational Analysis of Sequence Variation and Divergence**
Catalog Number: 2468
Shamil R. Sunyaev (Medical School) 4671

***BCMP 329. Structure Biology of Cytoplasmic Signal Transduction**
Catalog Number: 5005
Michael J. Eck (Medical School) 1739

***BCMP 331. Biochemistry and Biology of Neurodegenerative Diseases**
Catalog Number: 9727
Michael S. Wolfe (Medical School) 4543

***BCMP 332. Structural Neurology**
Catalog Number: 0276
Peter T. Lansbury (Medical School) 2115

***BCMP 335. Biochemical and Genetic Analysis of Eukaryotic Gene Expression**
Catalog Number: 8052
Stephen Buratowski (Medical School) 1790

***BCMP 337. Drosophila Molecular Genetics**
Catalog Number: 0782
Welcome W. Bender (Medical School) 7083



***BCMP 338. Eukaryotic Gene Regulation**

Catalog Number: 0549

Kevin Struhl (Medical School) 7415

***BCMP 339. Regulation of the Cellular Uptake of Macromolecular Nutrients**

Catalog Number: 3453

Marianne Wessling-Resnick (Public Health) 1315

***BCMP 340. Biologically Active Small Molecules**

Catalog Number: 8300

Jon Clardy (Medical School) 4667

***BCMP 343. Molecular Genetics of Herpes Viruses**

Catalog Number: 0868

Donald M. Coen (Medical School) 7617

***BCMP 344. Molecular Pharmacology of Excitable Membranes**

Catalog Number: 0200

Gary R. Strichartz (Medical School) 7530

***BCMP 345. Transcription Factors in Hematopoiesis and Leukemogenesis**

Catalog Number: 4792

Alan B. Cantor (Medical School) 5150

***BCMP 348. Chromatin and Cancer**

Catalog Number: 6409

Charles M. Roberts (Medical School) 5151

***BCMP 349. Targeting Deregulated Apoptotic and Transcriptional Pathways in Cancer -
(New Course)**

Catalog Number: 1071

Loren D. Walensky (Medical School) 5665

***BCMP 352. Cellular and Molecular Mechanisms in Inflammation**

Catalog Number: 4853

Charles N. Serhan (Medical School) 3163

***BCMP 353. Epigenomics and Chromatin Systems Biology - (New Course)**

Catalog Number: 8682

Yujiang Shi (Medical School) 5509

***BCMP 354. DNA Replication, Searching Mechanisms of DNA-Binding Factors**

Catalog Number: 6823

Antoine van Oijen (Medical School) 5084



***BCMP 355. Transcriptional Control of Hematopoiesis and Leukemia - (New Course)**

Catalog Number: 4489

Hanno Reinhard Hock (Medical School) 5660

***BCMP 356. NMR Spectroscopy of Proteins and Metabolites**

Catalog Number: 8093

Gerhard Wagner (Medical School) 2626

***BCMP 358. Targeting Apoptosis Regulation in Cancer - (New Course)**

Catalog Number: 6735

Anthony G. Letai (Medical School) 5663

***BCMP 359. Molecular Mechanisms of Signal Transduction**

Catalog Number: 8520

Elaine A. Elion (Medical School) 2941

***BCMP 360. Regulating Skeletal Myogenesis**

Catalog Number: 6934

Andrew B. Lassar (Medical School) 2946

***BCMP 361. X-Ray Crystallographic Studies of Viruses and Proteins**

Catalog Number: 4155

James M. Hogle (Medical School) 2943

***BCMP 362. Eukaryotic Survival Decisions**

Catalog Number: 4972

David E. Fisher (Medical School) 1800

***BCMP 363. The Mechanics and Regulation of Mitosis**

Catalog Number: 4981

David Pellman (Medical School) 3702

***BCMP 366. Stem Cells in Disease and Development**

Catalog Number: 9236

George Q. Daley (Medical School) 4951

***BCMP 370. Advanced Topics in Biological Chemistry and Molecular Pharmacology**

Catalog Number: 0482

James M. Hogle (Medical School) 2943

A series of reading and discussion seminars, each running for a half term (7 weeks). Two seminars, which can be taken in different terms, are required for credit.

Note: Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 617-432-0162 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.



***BCMP 371. Initiation of Eukaryotic DNA Replication: A Biochemical Analysis**

Catalog Number: 3739

Johannes Walter (Medical School) 3846

***BCMP 372. Methods and Applications in Computational Molecular Biology**

Catalog Number: 1638

Frederick P. Roth (Medical School) 3912

***BCMP 374. Growth Factors and Signal Transduction**

Catalog Number: 1179

Michael R. Freeman (Medical School) 5169

***BCMP 375. Biomolecular Nanotechnology**

Catalog Number: 3288

William Shih (Medical School) 5256

***BCMP 376. Antibiotic Resistance and Organelle Assembly**

Catalog Number: 3033

Daniel E. Kahne 5065

***BCMP 377. Quantitative Proteomics of Cancer Progression**

Catalog Number: 5225

Jarrold Marto (Medical School) 5326

***BCMP 378. Mechanisms of Hepatic Cholesterol Elimination**

Catalog Number: 6669

David E. Cohen (Medical School) 3478

***BCMP 379. Biochemical and Molecular Regulation of Vascular Growth**

Catalog Number: 9374

Marsha Moses (Medical School) 5388

***BCMP 380. Chemical Approaches to Cell Division - (New Course)**

Catalog Number: 0726

Ulrike Sophie Eggert (Medical School) 5729

***BCMP 381. Functional Small Molecules for Biological Discovery - (New Course)**

Catalog Number: 8841

Nathanael Gray (Medical School) 5730

Cell Biology

Primarily for Graduates

[Cell Biology 201. Molecular Biology of the Cell](#)

Catalog Number: 1044



Daniel Finley (Medical School), and members of the Faculty.

Half course (spring term). M., W., 10:30–12; and sections F. at 10:30–12.

Topics include the molecular basis of cellular compartmentalization, protein trafficking, cytoskeleton dynamics, mitosis, cell locomotion, cell cycle regulation, signal transduction, cell-cell interaction, and the cellular/biochemical basis of diseases. Methods covered include protein purification, mass spectrometry, and microscopy.

Note: Offered jointly with the Medical School as CB 713.0.

Prerequisite: Basic knowledge in biochemistry and genetics.

Cell Biology 207. Developmental Biology: Molecular Mechanisms of Vertebrate Development

Catalog Number: 2044 Enrollment: Limited to 25.

Andrew B. Lassar (Medical School), Patricia A. D'Amore (Medical School), Alan J. Davidson (Medical School), John G. Flanagan (Medical School), Jordan A. Kreidberg (Medical School), Richard L. Maas (Medical School), Ramesh Arjun Shivdasani (Medical School), Clifford J. Tabin (Medical School), and Malcolm Whitman (Dental School)

Half course (spring term). M., F., 1:30–3:30.

Analyzes the developmental programs of frog, chick, zebrafish, and mouse embryos, emphasizing experimental strategies for understanding the responsible molecular mechanisms that pattern the vertebrate embryo. Principal focus is the establishment of the body plan and the formation of selected organs.

Note: Offered jointly with the Medical School as CB 710.0. Includes lectures and conference sessions in which original literature is discussed in depth. Short research proposals are required in lieu of exams.

[Cell Biology 211a. Biology of the Cancer Cell]

Catalog Number: 5771

James A. DeCaprio (Medical School) and Myles A. Brown (Medical School)

Half course (fall term). M., W., 12–1:30.

Examines the molecular basis of cancer including alterations in signal transduction, cell cycle, apoptosis and DNA repair with a focus on oncogenes, tumor suppressors, and oncogenic viruses. Explores the development of novel target based therapies.

Note: Expected to be given in 2007–08. Given in alternate years. Offered jointly with the Medical School as CB 704.0.

Prerequisite: General knowledge of biochemistry, molecular genetics, and cell biology.

[Cell Biology 211b. Growth Factors and Signal Transduction]

Catalog Number: 4169 Enrollment: Limited to 30.

Charles D. Stiles (Medical School), Alan D. D'Andrea (Medical School), and Thomas M. Roberts (Medical School)

Half course (fall term). Hours to be arranged.

History, chemistry and biology of growth factors, receptors and downstream signaling pathways. Using receptor tyrosine kinases and their ligands, the course covers other signaling agents and pathways including nitric oxide, Notch/Delta, Wnt and Sonic hedgehog.

Note: Expected to be given in 2007–08. Given in alternate years. Offered jointly with the



Medical School as CB 705.0.

Prerequisite: BCMP/CB 201 or equivalent.

[Cell Biology 214. Developmental Biology and Genetics]

Catalog Number: 3458 Enrollment: Limited to 14.

David L. Van Vactor (Medical School), Spyros Artavanis-Tsakonas (Medical School), Jarema Malicki (Medical School), and Jeffrey E. Settleman (Medical School)

Half course (fall term). M., W., 4–6.

The course will explore genetic tools for the analysis of developmental phenomena in flies, worms, and mice. We cover a continuum from pattern formation, cell growth, and cell fate to cell differentiation and morphogenesis.

Note: Expected to be given in 2007–08. Offered jointly with the Medical School as CB 720.0. Contact course director at 617-432-2195 with questions.

Prerequisite: General genetics and developmental biology courses recommended.

Cell Biology 226. Concepts in Development, Self-Renewal, and Repair - (New Course)

Catalog Number: 8747 Enrollment: Limited to 14.

Laurel A. Raftery (Medical School), Iain A. Drummond (Medical School), Niels Geijsen (Medical School), N. Nanda Nanthakumar (Medical School), Elizabeth A. Perkins (Medical School), Samuel D. Rabkin (Medical School), and David T. Scadden (Medical School)

Half course (fall term). F., 2–5.

Explores developmental mechanisms through the life cycle, with emphasis on stem cells and tissue homeostasis. In depth analysis of tissues that undergo cell fate restriction, commitment, differentiation, and yet retain the ability to renew themselves.

Note: Offered jointly with the Medical School as CB 721.0. For more information visit: www.mgh.harvard.edu/bbs.

Prerequisite: Upper division Cell Biology or equivalent.

Graduate Courses of Reading and Research

***Cell Biology 300. Advanced Topics in Cell, Molecular, and Developmental Biology**

Catalog Number: 5825

Robert E. Kingston (Medical School) 1153

A series of reading and discussion seminars, each running for a half term (seven weeks).

Different topics are covered each term.

Note: Two seminars, which can be taken in different terms, are required for credit. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 617-432-0162 or visit the DMS Office at T-MEC 435, 260

Longwood Avenue, Boston.

***Cell Biology 304. Regulation of the Cell Cycle**

Catalog Number: 0414

Joan V. Ruderman (Medical School) 2622



***Cell Biology 307. Cell-Cell Signaling in Neural Development**

Catalog Number: 1911

John G. Flanagan (Medical School) 3149

***Cell Biology 308. Membrane Biology**

Catalog Number: 6173

Dennis A. Ausiello (Medical School) 1288

***Cell Biology 309. RNA Splicing and Nuclear Export of mRNA**

Catalog Number: 2523

Robin Reed (Medical School) 2319

***Cell Biology 310. Mechanisms of Vertebrate Hedgehog Signaling**

Catalog Number: 9189

Adrian Salic (Medical School) 5351

***Cell Biology 311. Cardiovascular Signal Transduction**

Catalog Number: 9196

Thomas Michel (Medical School) 4392

***Cell Biology 312. Molecular Mechanisms of Mammalian Gene Regulation in Normal and Cancerous Cells**

Catalog Number: 8538

Anders Michael Naar (Medical School) 4328

***Cell Biology 314. Molecular Biology of Extracellular Matrix**

Catalog Number: 5077

Bjørn R. Olsen (Dental School, Medical School) 1164

***Cell Biology 315. Biological Information Storage and Exchange**

Catalog Number: 9463

Michael Levin (Dental School) 4560

***Cell Biology 316. Mechanism and Function of Intracellular Protein Turnover**

Catalog Number: 1017

Alfred L. Goldberg (Medical School) 2827

***Cell Biology 317. Mechanisms of Programmed Cell Death**

Catalog Number: 2270

Junying Yuan (Medical School) 2105

***Cell Biology 318. Molecular Biology of Cell Growth Regulation and Transformation**

Catalog Number: 3355

John Blenis (Medical School) 2612



***Cell Biology 321. Neuronal Pathfinding and Synaptogenesis**

Catalog Number: 4841

David L. Van Vactor (Medical School) 2089

***Cell Biology 323. Biology of Membranes and Intercellular Junctions**

Catalog Number: 2651

Daniel A. Goodenough (Medical School) 4077

***Cell Biology 326. Signal Transduction During Early Development**

Catalog Number: 1872

Malcolm Whitman (Dental School) 3267

***Cell Biology 327. Signal Transduction in Cancer and Immunology**

Catalog Number: 5878

Christopher L. Carpenter (Medical School) 5389

***Cell Biology 328. Receptor-Mediated Endocytosis**

Catalog Number: 0438

Tomas Kirchhausen (Medical School) 1155

***Cell Biology 329. The Ubiquitin-Proteasome Pathway**

Catalog Number: 6826

Daniel Finley (Medical School) 2313

***Cell Biology 330. Experimental Approaches to Developmental Biology - (New Course)**

Catalog Number: 6590 Enrollment: Limited to 8.

David L. Van Vactor (Medical School) and members of the Division.

Half course (fall term). M. through Sa., 9am–8 pm.

This introductory level course will provide a rapid survey of major topics and themes in developmental biology in parallel with hands-on exposure to a variety of experimental approaches, technologies and model systems (*Drosophila*, *C. elegans*, *Xenopus*, chick & mouse).

Note: Open to all first-year BBS students; permission of the instructor required for all others.

***Cell Biology 332. Mass Spectrometry and Proteomics**

Catalog Number: 1568

Steven P. Gygi (Medical School) 3939

***Cell Biology 333. Electron Crystallographic Structure Determination of Leukotriene**

Catalog Number: 9254

Thomas Walz (Medical School) 3778

***Cell Biology 334. Molecular Analysis of Tyrosine Phosphatases**

Catalog Number: 2447

Benjamin Neel (Medical School) 2486



***Cell Biology 335. Signal Transduction**

Catalog Number: 2542

Lewis C. Cantley (Medical School) 1287

***Cell Biology 336. Signal Transduction in Normal and Transformed Cells**

Catalog Number: 6833

Joan S. Brugge (Medical School) 1486

***Cell Biology 339. Cell Morphogenesis and Regulation**

Catalog Number: 3898

Marc W. Kirschner (Medical School) 1078

***Cell Biology 340. Dissection of Angiogenic Signaling in Zebrafish**

Catalog Number: 7792

Joanne Chan (Medical School) 5391

***Cell Biology 341. Cilia: Formation, Function and Evolution**

Catalog Number: 5693

Tomer Avidor-Reiss (Medical School) 5352

***Cell Biology 342. Cytoskeleton in Development and Cancer**

Catalog Number: 4059

Sheila Thomas (Medical School) 3777

***Cell Biology 343. Mechanisms of Mammalian Cell Differentiation and Gene Expression**

Catalog Number: 0202

Bruce M. Spiegelman (Medical School) 7733

***Cell Biology 344. Molecular Mechanism of Signal Transduction**

Catalog Number: 6093

Xi He (Medical School) 2004

***Cell Biology 345. Protein Transport Across the Endoplasmic Reticulum Membrane**

Catalog Number: 6793

Tom Rapoport (Medical School) 1815

***Cell Biology 346. Signal Transduction by Receptor Tyrosine Kinases**

Catalog Number: 1591

Andrius Kazlauskas (Medical School) 2088

***Cell Biology 347. Cellular and Molecular Aspects of Insulin Action**

Catalog Number: 1494

C. Ronald Kahn (Medical School) 2019



***Cell Biology 349. Gene Silencing and Chromosome Structure**

Catalog Number: 8765

Danesh Moazed (Medical School) 4254

***Cell Biology 351. Cardiovascular Stem Cells in Development and Disease - (New Course)**

Catalog Number: 7604

Kenneth Chien (Medical School) 5667

***Cell Biology 352. Vertebrate Embryology, Organogenesis, and Cell Differentiation**

Catalog Number: 9231

Thomas M. Schultheiss (Medical School) 2236

***Cell Biology 353. Regulation of Epithelial Morphogenesis by TGF-beta Family Signaling**

Catalog Number: 8239

Laurel A. Raftery (Medical School) 8686

***Cell Biology 354. Basic and Applied Mechanisms of Intracellular Transport**

Catalog Number: 7605

Victor Wee Hsu (Medical School) 2606

***Cell Biology 356. Cell Growth Regulation, Telomere Maintenance and Human Diseases**

Catalog Number: 3718

Kun Ping Lu (Medical School) 2607

***Cell Biology 358. Mechanisms of Tumor Metastasis**

Catalog Number: 0606

Bruce R. Zetter (Medical School) 7737

***Cell Biology 359. Intracellular Signaling Pathways in the Regulation of Cell Growth and Differentiation**

Catalog Number: 0335

David A. Frank (Medical School) 3276

***Cell Biology 360. Regulation and Execution of Apoptosis during Development in Drosophila**

Catalog Number: 6046

Kristin White (Medical School) 3955

***Cell Biology 361. Matrix Biology, Cell-Matrix Interactions in Health and Disease**

Catalog Number: 5561

Raghu Kalluri (Medical School) 4945

***Cell Biology 362. Molecular Basis of Pulmonary Hypertension, Hypoxic Signaling and Lung Vascular Development**

Catalog Number: 4662

Stella Kourembanas (Medical School) 4958



***Cell Biology 364. The Structure of the Nucleus and the Dynamics of Nuclear Transport**

Catalog Number: 3582

Frank D. McKeon (Medical School) 1990

***Cell Biology 369. Genetics, Epigenetics, Molecular Biology, Chromatin - (New Course)**

Catalog Number: 1452

Andrew J. Chess (Medical School) 5662

***Cell Biology 370. Mitotic Kinases, Chromatin and Chromosome Segregation - (New Course)**

Catalog Number: 0661

Jonathan M. G. Higgins (Medical School) 5543

***Cell Biology 371. Nutrient Sensing and Metabolic Transcriptional Control - (New Course)**

Catalog Number: 5804

Pere B. Puigserver (Medical School) 5735

***Cell Biology 372. Cytoskeletal Dynamics**

Catalog Number: 5032

Timothy J. Mitchison (Medical School) 3713

***Cell Biology 373. Molecular Genetics of Cell Interaction in Development**

Catalog Number: 8133

Spyros Artavanis-Tsakonas (Medical School) 2609

***Cell Biology 376. Chemical Approaches to Cell Division and Cancer**

Catalog Number: 7680

Randy King (Medical School) 3941

***Cell Biology 377. Stem Cells, Islet Cell Function, Growth and Development**

Catalog Number: 7966

Rohit N. Kulkarni (Medical School) 5152

***Cell Biology 378. Bacterial Toxin Entry and Immunoglobulin Transport in Mucosal Epithelial Cells**

Catalog Number: 7656

Wayne I. Lencer (Medical School) 5153

***Cell Biology 379. BMP Signaling in Musculoskeletal Tissues**

Catalog Number: 2894

Vicki Rosen (Dental School) 4790

***Cell Biology 380. Cytoskeletal Mechanics of Blood Platelet Production**

Catalog Number: 9706

Joseph E. Italiano (Medical School) 5392



***Cell Biology 399. Nanocourses**

Catalog Number: 0087

Spyros Artavanis-Tsakonas (Medical School) 2609

Genetics

Primarily for Graduates

[*Genetics 200. Genetics Development and Reproductive Biology]

Catalog Number: 4265 Enrollment: Limited to 4 Division of Medical Sciences students.

Clifford J. Tabin (Medical School), Daniel D. Federman (Medical School), and Philip Leder (Medical School)

Half course (spring term). M. through F., 8:30–12:30.

Covers classical and molecular human genetics, focusing on inheritance and variation among individuals and populations, particularly applications to human biology and medicine; and reproduction, early development and morphogenesis, emphasizing potential for intervention and regenerative medicine.

Note: Expected to be given in 2007–08. To register, call 617-432-1515. Permission of both the course director and the Medical School Registrar is required. Offered jointly with the Medical School as IN 703.0.

Prerequisite: Biochemistry or equivalent.

Genetics 201. Principles of Genetics

Catalog Number: 4225

Fred Winston (Medical School), Anne C. Hart (Medical School), Ann Hochschild (Medical School), and Mitzi I. Kuroda (Medical School)

Half course (fall term). M., W., F., 9–10:30.

An in-depth survey of genetics, beginning with basic principles and extending to modern approaches and special topics. We will draw on examples from various systems, including yeast, *Drosophila*, *C. elegans*, mouse, human and bacteria.

Note: Intended for first-year graduate students. Offered jointly with the Medical School as GN 701.0.

Genetics 205. Mammalian Genetics

Catalog Number: 9267

David R. Beier (Medical School), David M. Altshuler (Medical School), and Joel N. Hirschhorn (Medical School)

Half course (spring term). Hours to be arranged.

A literature discussion course on mammalian genetics, including mutation and disease cloning, mutagenesis, comparative genomics, cancer genetics, mammalian development, population genetics, complex trait genetics in humans and rodents, and mouse genome modification techniques and their applications.

Note: Offered jointly with the Medical School as GN 705.0

Genetics 206. Genetic and Functional Genomic Dissection of Development

Catalog Number: 9852



Marc Vidal (Medical School), Norbert Perrimon (Medical School), and Gary B. Ruvkun (Medical School)

Half course (spring term). Tu., 10–12.

Discuss classic examples of genetic analysis, as well as functional genomic and proteomic strategies in the context of developmental studies in yeast, *Drosophila*, and *C. elegans*.

Note: Offered jointly with the Medical School as GN 704.0

[Genetics 216. Advanced Topics in Gene Expression]

Catalog Number: 2244

Robert E. Kingston (Medical School) and Fred Winston (Medical School)

Half course (spring term). Hours to be arranged.

Covers both biochemical and genetic studies in regulatory mechanisms. Small number of topics discussed in depth, using the primary literature. Topics range from prokaryotic transcription to eukaryotic development.

Note: Expected to be given in 2007–08. Offered jointly with the Medical School as GN 703.0.

Prerequisite: BCMP 200 and Genetics 201.

[Genetics 218. Genotype to Phenotype: Epigenetics and Weird Stuff]

Catalog Number: 2252 Enrollment: Limited to 15.

Chao-Ting Wu (Medical School) and Kami Ahmad (Medical School)

Half course (spring term). Th., 1–4.

Explores lesser known forms of gene regulation and inheritance, with focus on the oddities of biology. Past years have covered paramutation, repeat-induced point mutation, immortal DNA strands, meiotic silencing of unpaired DNA, various forms of monoallelism and dosage compensation, etc.

Note: Expected to be given in 2007–08. Given in alternate years. Offered jointly with the Medical School as GN 724.0.

Prerequisite: Introductory course in genetics and molecular biology, or permission of the instructors.

Genetics 220. Molecular Biology and Genetics in Modern Medicine

Catalog Number: 4660

Matthew L. Meyerson (Medical School)

Half course (fall term). Tu., 2–5, Th., 2–4.

The scientific, clinical, and ethical aspects of modern human genetics and molecular biology as applied to medicine. Lectures covering genetic approaches and molecular underpinnings of inherited diseases and somatic/genetic diseases are integrated with patient presentations and discussion.

Note: Offered jointly with the Medical School as HT 160.

Genetics 228. Genetics in Medicine - From Bench to Bedside - (New Course)

Catalog Number: 9840

Pamela B. Sklar (Medical School) and Susan A. Slaughaupt (Medical School)

Half course (fall term). F., 2–5.

Focus on translational medicine: the application of basic genetic discoveries to human disease.

Will discuss specific genetic disorders and the approaches currently used to speed the transfer of



knowledge from the laboratory to the clinic.

Note: Course will include clinical presentations and lectures by investigators known for their work in a specific disease area. Course will be held at MGH (transportation provided to MGH).

Offered jointly with the Medical School as GN 711.0. For more information visit:

www.mgh.harvard.edu/bbs.

Prerequisite: Genetics 201 or equivalent.

Graduate Courses of Reading and Research

***Genetics 300. Advanced Topics in Genetics**

Catalog Number: 1037

Susan M. Dymecki (Medical School) 1736

A series of reading and discussion seminars, each running for a half term (seven weeks).

Different topics are covered each term.

Note: Two seminars, which can be taken in different terms, are required for credit. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 432-0162 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

***Genetics 301. Research in Molecular Genetics and Molecular Oncology**

Catalog Number: 4780

Philip Leder (Medical School) 7527

***Genetics 303. Pathogenesis**

Catalog Number: 1972

Frederick Ausubel (Medical School) 4639

***Genetics 304. Molecular Genetics Basis of Human Disease, Particularly Cardiovascular Pathogenesis**

Catalog Number: 0693

Christine E. Seidman (Medical School) 3013

***Genetics 305. Genetics, Receptors and Ion Channels**

Catalog Number: 9027

Jing Zhou (Medical School) 3779

***Genetics 306. Inherited Human Disorders**

Catalog Number: 7324

Jonathan G. Seidman (Medical School) 7529

***Genetics 308. Molecular Biology of Signal Transduction**

Catalog Number: 5616

Brian Seed (Medical School) 7619



***Genetics 309. Gene Expression in Yeast**

Catalog Number: 3763

Fred Winston (Medical School) 7877

***Genetics 310. Molecular Approaches to Developmental Neurobiology**

Catalog Number: 6324

Constance L. Cepko (Medical School) 1150

***Genetics 311. Molecular Mechanisms of Transcription Regulation in Mammals**

Catalog Number: 7310

Robert E. Kingston (Medical School) 1153

***Genetics 312. Molecular Genetics of Development**

Catalog Number: 8363

Gary B. Ruvkun (Medical School) 1366

***Genetics 313. Genomic Approaches to Human Disease Genetics**

Catalog Number: 6059

David M. Altshuler (Medical School) 4307

***Genetics 314. Structure and Activities of Ribozymes**

Catalog Number: 7244

Jack Szostak (Medical School) 7096

***Genetics 315. Molecular Genetics of Inherited Disorders**

Catalog Number: 3362

James Gusella (Medical School) 1152

***Genetics 316. Transcriptional Regulatory Network Analyses**

Catalog Number: 2247

Martha L. Bulyk (Medical School) 4259

***Genetics 317. Signaling Networks in Development and Disease**

Catalog Number: 2271

Jordan A. Kreidberg (Medical School) 2080

***Genetics 318. Genome Structure**

Catalog Number: 5012

George M. Church (Medical School) 1608

***Genetics 319. Mouse Models of Human Disorders**

Catalog Number: 0860

David R. Beier (Medical School) 3519



***Genetics 321. Genetics of Embryonic Development in Drosophila**

Catalog Number: 6501

Norbert Perrimon (Medical School) 1679

***Genetics 322. Vertebrate Pattern Formation**

Catalog Number: 0436

Clifford J. Tabin (Medical School) 2430

***Genetics 323. Molecular Biology of V(D)J Recombination**

Catalog Number: 6950

Marjorie A. Oettinger (Medical School) 3172

***Genetics 325. Human Genetics, Genomics and Complex Traits**

Catalog Number: 8275

Joel N. Hirschhorn (Medical School) 4321

***Genetics 326. Human, Molecular and Mouse Genetics**

Catalog Number: 2900

David J. Kwiatkowski (Medical School) 3770

***Genetics 328. Lymphocyte Differentiation, Recombination, and Nuclear Oncogenes**

Catalog Number: 2702

Frederick W. Alt (Medical School) 3146

***Genetics 329. Genetic Analysis of Synaptic Transmission**

Catalog Number: 9734

Joshua M. Kaplan (Medical School) 3522

***Genetics 330. Critical Thinking and Research Proposal Writing**

Catalog Number: 0210

*Monica P. Colaiacovo (Medical School) 4949 and members of the Faculty
Half course (spring term). Hours to be arranged.*

A small group tutorial systematically guiding students in the writing of original, hypothesis-driven research proposals from initial topic selection through completion of a final draft.

Note: Open to all BBS students; others need permission of the instructor.

Prerequisite: Core course in genetics, cell biology, molecular biology, and biochemistry.

***Genetics 332. Combining Genetic and Biochemical Approaches to Dissect Tumor Suppressor Gene Function**

Catalog Number: 2975

Karen M. Cichowski (Medical School) 3932

***Genetics 334. Genomics and the Genetics of Human Disease**

Catalog Number: 5144

Raju Kucherlapati (Medical School) 4324



***Genetics 335. Epigenetics, Homology Effects, Genetics, and Gene Regulation**

Catalog Number: 4982

Chao-Ting Wu (Medical School) 3535

***Genetics 336. Developmental Biology of Hematopoiesis**

Catalog Number: 7165

Leonard I. Zon (Medical School) 1137

***Genetics 337. Human Molecular Genetics**

Catalog Number: 7194

Stuart H. Orkin (Medical School) 7402

***Genetics 340. A Genetic Approach to Iron Biology**

Catalog Number: 2936

Nancy Andrews (Medical School) 1589

***Genetics 348. Molecular Genetics of Human Leukemias**

Catalog Number: 5908

D. Gary Gilliland (Medical School) 2068

***Genetics 350. Molecular Genetic Control of Mammalian Organogenesis**

Catalog Number: 4974

Richard L. Maas (Medical School) 3703

***Genetics 351. Drosophila, a Model Genetic System to Study Signal Transduction**

Catalog Number: 4998

Lizabeth A. Perkins (Medical School) 1604

***Genetics 353. Genetics of Human Disease - (New Course)**

Catalog Number: 6608

Susan A. Slaughaupt (Medical School) 5483

***Genetics 355. Molecular Genetics of Human Neuromuscular Diseases**

Catalog Number: 9253

Alan H. Beggs (Medical School) 1422

***Genetics 358. Mammalian Embryonic Patterning**

Catalog Number: 8297

Susan M. Dymecki (Medical School) 1736

***Genetics 359. Cancer and Development, Thrombopoiesis, Intestinal Development**

Catalog Number: 9880

Ramesh Arjun Shivdasani (Medical School) 4538



***Genetics 360. Microtubule Associated RNAs During Mitosis - (New Course)**

Catalog Number: 5677

Michael Demian Blower (Medical School) 5733

***Genetics 361. Mechanism of X-inactivation in Mammals**

Catalog Number: 9152

Jeannie T. Lee (Medical School) 2129

***Genetics 362. Molecular Biology and Genetics of Cancer**

Catalog Number: 9382

David Morse Livingston (Medical School) 4872

***Genetics 363. Neurogenesis in the Vertebrate Eye**

Catalog Number: 8658

Jarema Malicki (Medical School) 2202

***Genetics 364. Development Application of Mammalian Vectors**

Catalog Number: 7930

Richard C. Mulligan (Medical School) 2274

***Genetics 365. Organogenesis of the Blood and Kidney - (New Course)**

Catalog Number: 9059

Alan J. Davidson (Medical School) 5668

***Genetics 366. Molecular Genetic Approaches to Human Disease Mechanisms**

Catalog Number: 8153

Marcy E. MacDonald (Medical School) 2635

***Genetics 367. Mechanisms Governing Normal Cell Growth, Cancer and Aging**

Catalog Number: 2500

Ronald A. DePinho (Medical School) 2637

***Genetics 368. Molecular and Genetic Mechanisms Responsible for Muscle Differentiation During Embryonic Development**

Catalog Number: 7490

Alan M. Michelson (Medical School) 2029

***Genetics 369. Molecular Mechanisms of Plant Signal Transduction**

Catalog Number: 3010

Jen Sheen (Medical School) 3892

***Genetics 370. Molecular Basis of Breast Cancer Initiation and Progression**

Catalog Number: 4519

Kornelia Polyak (Medical School) 3898



***Genetics 371. To Generate a Comprehensive Protein-Interaction Map for *C. elegans* and Develop New Concepts to Integrate this Map with Other Functional Maps such as Expression Profiles and Global Phenotypic Analysis**

Catalog Number: 2190

Marc Vidal (Medical School) 3914

***Genetics 373. Kidney Disease, Genetics, Cytoskeleton**

Catalog Number: 3875

Martin R. Pollak (Medical School) 4329

***Genetics 374. Research On Mechanisms Underlying Meiotic Chromosome Segregation**

Catalog Number: 4419

Monica P. Colaiacovo (Medical School) 4949

***Genetics 375. Genomics of Leukemia**

Catalog Number: 2335

Scott A. Armstrong (Medical School) 4947

***Genetics 376. Cell Cycle Control and Genomic Integrity**

Catalog Number: 3788

Stephen Elledge (Medical School) 4954

***Genetics 377. Molecular Genetics of Chromosome Organization and Gene Expression**

Catalog Number: 0811

Mitzi I. Kuroda (Medical School) 4959

***Genetics 378. Vectorology of Chromosomal Integration and Gene Therapy Models**

Catalog Number: 8555

Philippe Leboulch (Medical School) 4960

***Genetics 379. Applying Population Genetics to Find Disease Genes**

Catalog Number: 1677

David Emil Reich (Medical School) 4965

***Genetics 380. Molecular Approaches to Metabolism and Energy Balance**

Catalog Number: 4688

Evan David Rosen (Medical School) 4966

***Genetics 381. Genetics of Psychiatric Disorders**

Catalog Number: 1377

Pamela B. Sklar (Medical School) 5154

***Genetics 382. Muscle Stem Cell Commitment and Differentiation**

Catalog Number: 2626

Emanuela Gussoni (Medical School) 5155



***Genetics 383. Germ Cell Development, Pluripotency and Epigenetic Reprogramming**

Catalog Number: 2862

Niels Geijsen (Medical School) 5386

***Genetics 384. Cardiogenesis and Cardiac Morphogenesis**

Catalog Number: 7079

William T. Pu (Medical School) 5396

Immunology

All courses in Immunology are subject to limitation in enrollment and will not be offered unless there is sufficient demand.

Primarily for Graduates

***Immunology 201. Principles of Immunology**

Catalog Number: 8337

Michael C. Carroll (Medical School), Ulrich H. Von Andrian-Werburg (Medical School) and members of the Faculty

Half course (fall term). Tu., Th., 1:30–3, with section Tu., Th., 3–4.

Comprehensive core course in immunology. Topics include a broad but intensive examination of the cells and molecules of the immune system. Special attention given to the experimental approaches that led to general principles of immunology.

Note: Intended for students who have had prior exposure to immunology on the undergraduate level. In the absence of such exposure, students *must* obtain the permission of the Course Director. Offered jointly with the Medical School as IM 702.0.

Prerequisite: A background in genetics and biochemistry strongly recommended.

***Immunology 202. Advanced Principles of Immunology**

Catalog Number: 5674

D. Branch Moody (Medical School) and Martin E. Hemler (Medical School)

Half course (spring term). Tu., Th., 1:30–4.

Continuation of Immunology 201 as an intensive core course in fundamentals of the immune system. Emphasis on systems of immunity. Critical reading of primary literature.

Note: Offered jointly with the Medical School as IM 712.0.

Prerequisite: Immunology 201 or its equivalent

Immunology 204. Critical Readings for Immunology

Catalog Number: 9563

Shannon Turley (Medical School) and Carl D. Novina (Medical School)

Half course (spring term). Th., 10–1.

Original research articles from fields including biochemistry, genetics, and cell and developmental biology will be critically analyzed in an intensive small group format. Grading will be based on class participation and oral presentations.



Note: Required for first-year immunology students, open to second-year immunology students. No auditors. Offered jointly with the Medical School as IM 703.0

Immunology 206. Biology of Histocompatibility Systems in Man and Experimental Animals: Immunology of Aging

Catalog Number: 0566

Edmond J. Yunis (Medical School)

Half course (spring term). Tu., 9:30–12:30.

Sizes of DNA blocks in genomes. Variability of sizes of DNA in chromosome six (major histocompatibility complex). Transplantation. Genetics of autoimmune diseases and longevity. Cancer genetics. Discussion of syntheny and paralogous chromosomal regions.

Note: A background in genetics would be helpful.

[*Immunology 219. The Primary Immunodeficiencies]

Catalog Number: 1873

Cox Terhorst (Medical School) and Raif S. Geha (Medical School)

Half course (spring term). M., 4–6.

This course discusses the mechanisms that underlie the pathogenesis of genetically determined primary human immunodeficiencies and selected human autoimmune diseases. Evaluates the use of animal models for study and therapy of human disease states.

Note: Expected to be given in 2007–08. Offered jointly with the Medical School as IM 729.0.

The two quarters may be taken together as a half course, or individually as a quarter course under Immunology 300.

Prerequisite: Course in basic immunology.

Graduate Courses of Reading and Research

Primarily designed for work on a dissertation problem, carried out under the supervision of the following faculty members whose special research interests are listed.

***Immunology 300. Advanced Topics in Immunology**

Catalog Number: 4739

Michael C. Carroll (Medical School) 2050

Reading and discussion seminars each running for a half term (7 weeks). Two seminars, which can be taken in different terms, are required for credit. Topics include the role of intracellular and transmembrane protein phosphates in signal transduction.

Note: Intended for first- and second-year Immunology graduate students. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Call 617-432-0162 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

***Immunology 301. Immunology Seminar**

Catalog Number: 4971

Michael C. Carroll (Medical School) 2050

Gives students exposure to research topics in Immunology. Students prepare for the weekly seminar through readings and occasional discussion with the seminar speakers. These discussions are facilitated by members of the Committee on Immunology.

Note: Intended for first- and second-year Immunology graduate students.



***Immunology 302. Molecular Basis of Humoral Immunologic Inflammation**

Catalog Number: 1355

K. Frank Austen (Medical School) 1571

***Immunology 303. Immunity to Tuberculosis**

Catalog Number: 9490

Samuel M. Behar (Medical School) 4570

***Immunology 306. Immunochemical Aspects of Immune Reactions**

Catalog Number: 1536

Stuart F. Schlossman (Medical School) 3593

***Immunology 307. Immunobiology of Transplantation**

Catalog Number: 1609

Charles B. Carpenter (Medical School) 2016

***Immunology 308. Gene Regulation in the Immune Response**

Catalog Number: 6895

Anjana Rao (Medical School) 1854

***Immunology 309. Molecular Aspects of Lymphocyte Interactions**

Catalog Number: 3778

Cox Terhorst (Medical School) 6280

***Immunology 314. Immunobiology of Antigen-Antibody Complexes**

Catalog Number: 8065

Peter H. Schur (Medical School) 4551

***Immunology 315. Immunoregulation**

Catalog Number: 5540

Martin E. Dorf (Medical School) 4541

***Immunology 316. Molecular Basis of Immunologic Recognition and Communication**

Catalog Number: 3192

Harvey Cantor (Medical School) 4460

***Immunology 317. Molecular Biology of Receptor Transduction in the Immune System**

Catalog Number: 0518

Brian Seed (Medical School) 7619

***Immunology 319. Molecular Basis of Cell Adhesion and Migration**

Catalog Number: 0293

Timothy A. Springer (Medical School) 6145



***Immunology 323. Research in Molecular Immunology**

Catalog Number: 3425

Laurie H. Glimcher (Public Health) 1362

***Immunology 324. T-cell Development in Animal Models of Autoimmunity Disease**

Catalog Number: 1905

Christophe O. Benoist (Medical School) 3928

***Immunology 326. Human T-cell Antigen Receptor; Human Lymphocyte Differentiation Antigens**

Catalog Number: 6719

Ellis L. Reinherz (Medical School) 1408

***Immunology 327. Chemical Cell Biology**

Catalog Number: 0824

Stuart L. Schreiber 2166 (on leave 2006-07)

***Immunology 328r. Introduction to Research**

Catalog Number: 5531

Michael C. Carroll (Medical School) 2050

***Immunology 329. Basic and Clinical Mechanisms of Autoimmunity**

Catalog Number: 0354

Howard L. Weiner (Medical School) 1335

***Immunology 330. Molecular Aspects of Mast Cells—Mediated Immune Responses**

Catalog Number: 7296

Richard L. Stevens (Medical School) 2892

***Immunology 331. Lymphoid Organs**

Catalog Number: 5725

Joan E. Stein-Streilein (Medical School) 4769

***Immunology 332. The Role of Cys-Lts in Antigen-Induced Pulmonary Inflammation and the Mechanism of Cys-LT-Mediated Pulmonary Fibrosis - (New Course)**

Catalog Number: 9530

Yoshihide Kanaoka (Medical School) 5401

***Immunology 333. Immunopathogenesis of Viral Diseases**

Catalog Number: 2430

Norman Letvin (Medical School) 2317

***Immunology 335. T-Cell Receptor Interactions in Autoimmune Diseases**

Catalog Number: 4027

David Hafler (Medical School) 2616



***Immunology 336. T-Lymphocyte Recognition and Adhesion**

Catalog Number: 7292

Michael B. Brenner (Medical School) 2864

***Immunology 337. Development of Mucosal Immunologic Factor**

Catalog Number: 1320

W. Allan Walker (Medical School, Public Health) 1175

***Immunology 339. Function and Regulation of Cellular Adhesion Mechanisms**

Catalog Number: 7841

Martin E. Hemler (Medical School) 2868

***Immunology 340. The Human Major Histocompatibility Complex, Immune Function, and Disease**

Catalog Number: 6650

Chester Alper (Medical School) 2951

***Immunology 341. Transcriptional Regulation of Stem Cell and Myeloid Cell Genes in Order to Understand Normal Myeloid Differentiation and Leukemia - (New Course)**

Catalog Number: 9403

Daniel G. Tenen (Medical School) 1172

***Immunology 343. The Regulation of Eicosanoid Generation**

Catalog Number: 8593

Jonathan P. Arm (Medical School) 4946

***Immunology 344. Genetic Analysis of Lymphocyte Development and Nuclear Oncogene Function**

Catalog Number: 6438

Frederick W. Alt (Medical School) 3146

***Immunology 345. Assembly and Function of pre-B Cell-fate and B Lymphocyte Antigen Receptors**

Catalog Number: 0866

Shiv S. Pillai (Medical School) 3393

***Immunology 346. The Role of Complement in the Immune Response**

Catalog Number: 1755

Michael C. Carroll (Medical School) 2050

***Immunology 347. Mechanisms Underlying the Unique Ability of Antigen Presenting Cells to Activate Naive T Lymphocytes**

Catalog Number: 9833

Marianne Boes (Medical School) 5385



***Immunology 348. Cell Biology, Biochemistry, and Immunology of Leukocyte-endothelial Adhesion**

Catalog Number: 0901

Francis W. Luscinskas (Medical School) 3772

***Immunology 349. Mechanisms of T Cell and NK Cell Tolerance**

Catalog Number: 1241

Megan Sykes (Medical School) 1131

***Immunology 350. Regulation of Autoimmune T Cell Responses**

Catalog Number: 1916

Vijay K. Kuchroo (Medical School) 2041

***Immunology 351. Studies on Trafficking of Lymphocytes to Skin and of Tumor Cells to Organ-Specific Sites of Metastasis - (New Course)**

Catalog Number: 1875

Charles J. Dimitroff (Medical School) 5521

***Immunology 352. Using Biochemical, Cellular and Mouse Genetics Approaches to Dissect the Innate Immune Signaling Pathways of Toll-like Receptors and NBD-LRR (Nod) Proteins - (New Course)**

Catalog Number: 1572

Koichi S. Kobayashi (Medical School) 5522

***Immunology 353. Innate and Adaptive Immune Responses in HIV-1 Infection - (New Course)**

Catalog Number: 6000

Marcus Altfeld (Medical School) 5689

***Immunology 354. Topics in Transplantation Biology**

Catalog Number: 1459

David H. Sachs (Medical School) 1075

***Immunology 356. Cytotoxic T Lymphocytes**

Catalog Number: 8232

Judy Lieberman (Medical School) 1542

***Immunology 357. T Cell-Epithelial Cell Interactions in Mucosal Community**

Catalog Number: 2111

Richard S. Blumberg (Medical School) 2351

***Immunology 358. Self-renewal and Lineage Commitment of Hematopoietic Stem Cells**

Catalog Number: 1619

Koichi Akashi (Medical School) 5288



***Immunology 359. Immunoregulatory Mechanisms Affecting the Development of Pulmonary Inflammation, Asthma, and Allergy in Mice and Humans**

Catalog Number: 3037

Dale T. Umetsu (Medical School) 5289

***Immunology 360. Focus on Stem Cells and the Stem Cell Niche**

Catalog Number: 8952

David T. Scadden (Medical School) 2649

***Immunology 361. Induction and Regulation of Antigen-specific T Cell Responses**

Catalog Number: 7578

Gilles A. Benichou (Medical School) 2652

***Immunology 362. Basic Biology and Pathobiology of the Chemokine Superfamily of Cytokines**

Catalog Number: 3817

Andrew D. Luster (Medical School) 2654

***Immunology 363. Regulation of Mast Cell Activation by Stimulatory and Inhibitory Receptors**

Catalog Number: 6813

Howard R. Katz (Medical School) 2837

***Immunology 364. T-Cell Development in Animal Models of Autoimmunity Disease**

Catalog Number: 0972

Diane J. Mathis (Medical School) 3063

***Immunology 365. Mucosal T Cell Mediated Immunity and Tolerance**

Catalog Number: 4204

Cathryn R. Nagler-Anderson (Medical School) 1022

***Immunology 366. Molecular Regulation of T Cell Cytokine Production and T Cell Interactions with the Blood Vessel Wall**

Catalog Number: 6676

Andrew H. Lichtman (Medical School) 3523

***Immunology 367. Biology and Chemistry of Complement Problems**

Catalog Number: 8080

Anne Nicholson-Weller (Medical School) 1063

***Immunology 368. Cytotoxic Lymphocytes**

Catalog Number: 8986

Paul J. Anderson (Medical School) 1947



***Immunology 369. Mechanisms of Autoimmune Disease**

Catalog Number: 6787

Vicki R. Kelley (Medical School) 2656

***Immunology 371. Cellular and Molecular Mechanisms of Eosinophil and Other Leukocyte Involvement in Allergic Flammation**

Catalog Number: 3716

Peter F. Weller (Medical School) 2657

***Immunology 372. Mechanisms Graft Rejection: Allo and Xeno**

Catalog Number: 3207

Hugh Auchincloss (Medical School) 2661

***Immunology 373. Biology of Histocompatibility Systems in Man and Experimental Animals; Immunology of Aging**

Catalog Number: 6317

Edmond J. Yunis (Medical School) 6036

***Immunology 374. Tumor Necrosis Factor-Alpha Gene Regulation in the Immunopathogenesis of AIDS and TB**

Catalog Number: 4558

Anne E. Goldfeld (Medical School) 1008

***Immunology 375. Biology and Function of Immunoreceptors**

Catalog Number: 0510

Jean-Pierre Kinet (Medical School) 2663

***Immunology 376. Regulation of IgE Reponses; Molecular Basis of Immunodeficiencies**

Catalog Number: 3618

Raif S. Geha (Medical School) 1795

***Immunology 377. Regulation of T Helper Cell Differentiation**

Catalog Number: 0458

Michael Grusby (Medical School) 1987

***Immunology 378. Basic Mechanisms of T cell Mediated Autoimmune Diseases**

Catalog Number: 2916

Kai Wucherpfennig (Medical School) 2481

***Immunology 379. Induction of Immunological Tolerance by Gene Therapy**

Catalog Number: 9300

John J. Iacomini (Medical School) 2643

***Immunology 380. Control of Leukocyte Trafficking and the Immune Response By Chemokines and Other Cytokines**



Catalog Number: 4872
Barrett J. Rollins (Medical School) 3775

***Immunology 381. Lymphocyte Development, Signaling, Immunoregulation**
Catalog Number: 0839
Harald Von Boehmer (Medical School) 3302

***Immunology 382. AIDS Immunopathogenesis and Immune Reconstitution**
Catalog Number: 0468
Robert P. Johnson (Medical School) 6125

***Immunology 383. Translational Approaches In Transplantation and Tumor Immunity**
Catalog Number: 4590
Lee M. Nadler (Medical School) 3773

***Immunology 385. Transcriptional Regulation of T Lymphocyte Activation and Differentiation**
Catalog Number: 1243
I-Cheng Ho (Medical School) 2764

***Immunology 388. Immunology and Molecular Biology of Schistosoma Mansoni**
Catalog Number: 5640
Donald A. Harn (Public Health) 2051

***Immunology 389. Development of Cancer Vaccines**
Catalog Number: 4106
Glenn Dranoff (Medical School) 1821

***Immunology 391. Transcription Factors in Lymphocyte Commitment and Differentiation**
Catalog Number: 5285
Katia Georgopoulos (Medical School) 2070

***Immunology 392. Dendritic Cells and the Initiation of Immune Responses; Genetic Analysis using Genome-Wide Mammalian RNAi Libraries**
Catalog Number: 0298
Nir Hacohen (Medical School) 5157

***Immunology 393. The Role of the Transcription Factor NF- κ B in Regulating Innate Inflammatory Responses**
Catalog Number: 3287
Bruce H. Horwitz (Medical School) 5158

***Immunology 394. Cellular and Molecular Mechanisms by which CD1 Proteins Present Lipid Antigens to T Cells**
Catalog Number: 0938
D. Branch Moody (Medical School) 5159



***Immunology 396. The Fundamental Nature of and the Means to Produce T Cell Tolerance to Allo- and Auto-Antigens**

Catalog Number: 1812

Terry B. Strom (Medical School) 5160

***Immunology 397. Antigen Processing and Presentation by Dendritic Cells in Autoimmunity and Cancer**

Catalog Number: 3393

Shannon Turley (Medical School) 5255

Medical Sciences

Primarily for Graduates

***Medical Sciences 215. Integrated Human Physiology**

Catalog Number: 6359

*Richard M. Schwartzstein (Medical School) and members of the Faculty
Half course (spring term). M. through F., 8:30–12.*

Describes the physiological mechanisms underlying the functions of major organ systems of the human body, including cardiovascular, renal, gastrointestinal, respiratory, endocrine and reproductive systems. The course emphasizes integration of physiological functions within a clinical context.

Note: Students taking the course for credit are expected to attend all course sessions. Permission of both the course director and the Medical School Registrar is required.

***Medical Sciences 220. Human Pathophysiology - (New Course)**

Catalog Number: 6803 Enrollment: Limited to 15.

*Julian L. Seifter (Medical School) and H. Franklin Bunn (Medical School)
Half course (fall term). W., F., 9:30–12:30.*

Fundamental homeostatic mechanisms and organ systems, covering both normal and disease states, will be introduced to PhD students. Pathophysiology will be studied by analysis of relevant clinical cases.

Note: Permission of instructor required. Includes lectures, patient presentations, and tutorial groups. Contact Kim Burman at kburman@genetics.med.harvard.edu to sign up for this course.

Prerequisite: Background in pathology.

***Medical Sciences 250ab. Human Functional Anatomy**

Catalog Number: 6946 Enrollment: Limited to 52. Minimum 25.

Lee Gehrke (Medical School)

Full course (fall term). Lectures, M., W., F., 1:30–2:30; laboratory, M., W., F., 2:30–6.

Lectures, detailed laboratory dissections, and prosections provide a thorough exploration of the gross structure and function of the human body. Fundamental principles of embryology and bioengineering promote analytical approaches to understanding the body's design.

Note: Open to qualified graduate students with permission of the course director. Offered jointly with the Medical School as HT 010. The first meeting of this course is the Wednesday following the Labor Day holiday.



Graduate Courses of Reading and Research

***Medical Sciences 300. Conduct of Science**

Catalog Number: 1815

Thomas O. Fox (Medical School) 4542

***Medical Sciences 399. Topics in Medical Sciences**

Catalog Number: 3197

Thomas O. Fox (Medical School) 4542

Subject selected by students and faculty member.

Microbiology and Molecular Genetics

All courses in Microbiology and Molecular Genetics are subject to limitation in enrollment and will not be offered unless there is sufficient demand.

Primarily for Graduates

Microbiology 200. Molecular Microbiology and Pathogenesis

Catalog Number: 7773

Stephen Lory (Medical School) and members of the Faculty

Half course (spring term). M., W., F., 9–10:30.

Devoted primarily to bacterial structure, physiology, genetics, regulatory mechanisms and pathogenesis. Class consists of lectures, presentations emphasizing methods, results and interpretation of classic and contemporary literature, guest seminars, and small group discussions of papers.

Note: Offered jointly with the Medical School as MG 726.0.

***Microbiology 205. Mechanisms of Microbial Pathogenesis**

Catalog Number: 2480 Enrollment: May be limited.

Clyde S. Crumpacker II (Medical School) and associates

Half course (fall term). Tu., Th., 8:30–1.

The mechanisms of bacterial, mycoplasmal, fungal, and viral pathogenesis are covered. Topics are selected for intrinsic interest and cover the spectrum of pathophysiologic mechanisms of the infectious process. Emphasis on pathogenesis at the molecular level.

Note: Offered jointly with the Medical School as HT 040.

Microbiology 209. Molecular Biology of Bacteria

Catalog Number: 2698 Enrollment: Limited to 12. Minimum of 8.

Roberto G. Kolter (Medical School)

Half course (spring term). Hours to be arranged. One meeting per week.

Provides in-depth coverage of bacterial development and genomics. Students research topics and prepare lectures. Lectures are followed by discussions of key publications. The specific topics covered vary every year depending on student interest.

Note: Given in alternate years. Open to graduate and advanced undergraduate students. Contact



the instructor at least two weeks before the start of spring term via email rkolter@hms.harvard.edu. Offered jointly with the Medical School as MG 727.0.

[*Microbiology 212. Metabolism]

Catalog Number: 0598

Dan G. Fraenkel (Medical School)

Half course (fall term). W., 3–6.

Pathways and energy metabolism. A discussion course based on papers.

Note: Expected to be given in 2007–08. Offered jointly with the Medical School as MG 728.0.

First session will meet for the full class period and assignments for the first session will be available on Sept. 11. Contact fraenkel@hms.harvard.edu.

Microbiology 213. Social Issues in Biology

Catalog Number: 7905

Jonathan R. Beckwith (Medical School) and Roberto G. Kolter (Medical School)

Half course (spring term). Th., 1–4.

Readings and discussion of social/ethical aspects of biology: history, philosophy of science; genetics and race; genetic enhancement; genetic testing; stem cell research; science journalism; science and the two cultures; scientists, social responsibility; industry and academia.

Note: Offered jointly with the Medical School as MG 722.0.

Prerequisite: Some background in genetics.

Microbiology 230. Analysis of the Biological Literature

Catalog Number: 3791

Elaine A. Elion (Medical School), Alan B. Cantor (Medical School), Stephen Elledge (Medical School), Marcia Goldberg (Medical School), William C. Hahn (Medical School), Edward E. Harlow (Medical School), Jonathan M. G. Higgins (Medical School), Jordan A. Kreidberg (Medical School), Andrea I. McClatchey (Medical School), Charles M. Roberts (Medical School), Ramesh Arjun Shivdasani (Medical School), Piotr Sicinski (Medical School), Sheila Thomas (Medical School), and Amy Jo Wagers (Medical School)

Half course (fall term). Tu., Th., 4:30–7:30 pm.

Critical analysis of original research articles in intensive small group discussions. Analyze range of papers in biochemistry, genetics, microbiology, and cell and developmental biology, in terms of background, hypothesis, appropriate use of experimental methods, and objective interpretation of results.

Note: Limited to and required of all first-year BBS students.

Graduate Courses of Reading and Research

Primarily designed for work on a dissertation problem, carried out under the supervision of the following faculty members, whose special research interests are listed. Courses in parasitology are listed in the catalog of the Harvard School of Public Health (see Pathology).

***Microbiology 300. Advanced Topics in Microbiology and Molecular Genetics**

Catalog Number: 2304

Michael Starnbach (Medical School) 1816

A series of reading and discussion seminars, each running for a half term (7 weeks). Two



seminars, which can be taken in different terms, are required for credit.

Note: Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 617-432-0605 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

Prerequisite: Dependent on seminar.

***Microbiology 304. Molecular Pathogenesis of Streptococcal Infection**

Catalog Number: 9527

Michael R. Wessels (Medical School) 4540

***Microbiology 305. Molecular Determinants of Intracellular Bacterial Pathogenesis**

Catalog Number: 3190

Darren E. Higgins (Medical School) 2963

***Microbiology 307. Growth Factors and Signal Transduction**

Catalog Number: 5726

Charles D. Stiles (Medical School) 4828

***Microbiology 308. Bacterial/ Host Interactions in Symbiosis and Pathogenesis**

Catalog Number: 4217

Dennis L. Kasper (Medical School) 4815

***Microbiology 310. Bacterial Genetics of Tuberculosis and Tularemia**

Catalog Number: 7652

Eric J. Rubin (Medical School) 4084

***Microbiology 311. Microbiology and Molecular Genetics**

Catalog Number: 7402

Jonathan R. Beckwith (Medical School) 1173

***Microbiology 313. T-Lymphocyte Responses to Bacterial Pathogens**

Catalog Number: 4959

Michael Starnbach (Medical School) 1816

***Microbiology 315. Biochemical Mechanisms Controlling Cell Growth and Differentiation**

Catalog Number: 3273

Michael E. Greenberg (Medical School) 1400

***Microbiology 316. Host Pathogen Interactions**

Catalog Number: 7769

Stephen Lory (Medical School) 4326

***Microbiology 317. Molecular Mechanisms in Pathogenesis**

Catalog Number: 8985

John J. Mekalanos (Medical School) 7315



***Microbiology 318. RNA Structure, RNA-protein Interactions, and Translation-level Gene Regulation in RNA Viruses**

Catalog Number: 1205

Lee Gehrke (Medical School) 8036

***Microbiology 320. Molecular Biology of Herpes Viruses**

Catalog Number: 3967

David M. Knipe (Medical School) 7089

***Microbiology 321. Molecular Biology of Bacterial Interactions**

Catalog Number: 2903

Roberto G. Kolter (Medical School) 7727

***Microbiology 322. Biochemistry of Bacterial Toxins**

Catalog Number: 4970

R. John Collier (Medical School) 7972

***Microbiology 323. Molecular Genetic Analysis of Virulence Factors in Gram-Negative Pathogens and Construction of Recombinant Vaccines**

Catalog Number: 4931

Stephen B. Calderwood (Medical School) 3520

***Microbiology 324. Bacterial Pathogenesis and Vaccine Development**

Catalog Number: 3472

Gerald Pier (Medical School) 2853

***Microbiology 325. Signal Transduction, Host-Microbial Interactions and Immunology**

Catalog Number: 2839

Scott Brian Snapper (Medical School) 4969

***Microbiology 327. Molecular Biology and Evolution of Retroviruses**

Catalog Number: 7939

Welkin E. Johnson (Medical School) 5354

***Microbiology 328. Molecular Biology of Epstein Barr Virus Infection and Transformation of B Lymphocytes**

Catalog Number: 3188

Elliott D. Kieff (Medical School) 1858

***Microbiology 329. The Regulation of Gene Expression in Pathogenic Bacteria**

Catalog Number: 5892

Simon L. Dove (Medical School) 4953

***Microbiology 330. Molecular Mechanisms in Bacterial Differentiation**

Catalog Number: 5102

David Z. Rudner (Medical School) 4968



***Microbiology 331. Modeling Mechanisms of Bacterial Pathogenesis**

Catalog Number: 1929

Cammie Lesser (Medical School) 4962

***Microbiology 332. Gene Regulation of Prokaryotes**

Catalog Number: 0915

Ann Hochschild (Medical School) 2314

***Microbiology 334. Primate Lentiviral Immunology and Pathogenesis**

Catalog Number: 8398

David T. Evans (Medical School) 5353

***Microbiology 335. Molecular Biology of Parasites**

Catalog Number: 0528

Dyann F. Wirth (Public Health) 2492

***Microbiology 336. Pathogen-host Interactions**

Catalog Number: 3981

Marcia Goldberg (Medical School) 3783

***Microbiology 340. Herpes Virus Transformation and Gene Transfer Vector**

Catalog Number: 8544

Jae Ung Jung (Medical School) 2048

***Microbiology 343. Chemical Biology and Enzymology**

Catalog Number: 2963

Suzanne Walker (Medical School) 5087

***Microbiology 344. Chemistry and Biology of Host-Virus Interactions**

Catalog Number: 8853

Priscilla Yang (Medical School) 5156

***Microbiology 345. Pathogenesis of HIV-1 Transmission - (New Course)**

Catalog Number: 0534

Manish Sagar (Medical School) 5664

***Microbiology 346. Genetics of Bacterial Adhesion and Pathogenesis - (New Course)**

Catalog Number: 5690

Paula I. Watnick (Medical School) 5666

***Microbiology 347. Chemical Genetics Approach to Bacterial Pathogenesis - (New Course)**

Catalog Number: 2308

Deborah Tan Hung (Medical School) 5701

Neurobiology



The Program in Neuroscience offers multidisciplinary training in the neurosciences leading to the PhD degree. Course instruction and supervision of dissertation research is provided by faculty of the Department of Neurobiology at Harvard Medical School as well as faculty of other departments at Harvard Medical School (and its affiliated medical institutions) and the Faculty of Arts and Sciences.

Courses at the 200 level may be open to advanced undergraduates with permission of the instructor. Additional courses open to undergraduates are offered by the Neurobiology concentration, listed separately.

Primarily for Graduates

Neurobiology 200. Introduction to Neurobiology

Catalog Number: 6062 Enrollment: Limited to 45.

David P. Corey (Medical School), John A. Assad (Medical School), Matthew P. Frosch (Medical School), and Lisa V. Goodrich (Medical School)

Half course (fall term). M., W., F., 9–12.

Modern neuroscience from molecular biology to perception and cognition. Includes cell biology of neurons and glia; ion channels and electrical signaling; synaptic transmission and integration; chemical systems; brain anatomy and development; sensory systems; motor systems; higher cognitive function.

Note: Offered jointly with the Medical School as HT 130. Follows the Medical School calendar. Nine hours of lecture or lab/conference weekly.

Neurobiology 204. Neurophysiology of Central Circuits

Catalog Number: 5603

R. Clay Reid (Medical School), John A. Assad (Medical School), and Richard T. Born (Medical School)

Half course (spring term). M., W., 10–12.

Introduction to the physiology of circuits in the mammalian central nervous system. Topics include the auditory, somatosensory, olfactory, visual and oculomotor systems.

Note: Offered jointly with the Medical School as NB 721.0.

Prerequisite: Neurobiology 220.

Neurobiology 207. Developmental Neurobiology

Catalog Number: 4977 Enrollment: Limited to 20.

Qiufu Ma (Medical School), Chenghua Gu (Medical School), Dietmar Schmucker (Medical School), Rosalind A. Segal (Medical School), and Carla J. Shatz (Medical School)

Half course (spring term). Tu., Th., 3–5.

Lectures cover nervous system development, including neural induction, neural patterning, nerve cell type specification, nerve cell migration, neurotrophin and neuronal cell survival, axon guidance and targeting, synaptogenesis and plasticity, adult neurogenesis and brain repair.

Note: Paper reading will allow students to learn how to identify interesting biological questions and feasible approaches to address the questions. Lectures will also be given about how to write a grant application, and proposal writing is served as the final exam. Offered jointly with the



Medical School as NB 720.0.

Prerequisite: Neurobiology 200 or permission of instructor.

[Neurobiology 209. Neurobiology of Disease]

Catalog Number: 5562

Edward A. Kravitz (Medical School), Robert H. Brown (Medical School), and Walter J. Koroshetz (Medical School)

Half course (spring term). M., 4–6:30, W., 7–9:30 pm.

Monday sessions involve patient presentations and “core” lectures describing clinical progression, pathology, and basic science underlying a major disease or disorder. Wednesdays, students present material from original literature sources, and there is general discussion.

Note: Expected to be given in 2007–08. Given in alternate years. Offered jointly with the Medical School as NB 713.0. For advanced undergraduate and graduate students.

Prerequisite: Introductory neurobiology, biochemistry, and genetics/molecular biology recommended.

***Neurobiology 220. Cellular Neurophysiology**

Catalog Number: 2141

Bruce P. Bean (Medical School), Wade G. Regehr (Medical School), and Gary I. Yellen (Medical School)

Half course (fall term). Tu., Th., 9–12 and a weekly discussion section.

Introduction to the physiology of neurons. Topics include structure and function of ion channels, generation and propagation of action potentials, and physiology of synaptic transmission. Includes problem sets and reading of original papers.

Note: Offered jointly with the Medical School as NB 714.0.

Prerequisite: Introductory neurobiology.

***Neurobiology 221. Molecular Neurobiology**

Catalog Number: 0443

Charles J. Weitz (Medical School), Jonathan B. Cohen (Medical School), Bernardo L. Sabatini (Medical School), and Thomas L. Schwarz (Medical School)

Half course (spring term). Tu., Th., 10–12.

Introduction to the molecular biology and genetics of the nervous system. Emphasis on the importance of ligand-receptor interactions and receptor regulation for the function of the nervous system and on the mechanisms of storage and release of neurotransmitters.

Note: Offered jointly with the Medical School as NB 715.0.

Prerequisite: Introductory neurobiology and molecular biology.

Graduate Courses of Reading and Research

***Neurobiology 300. Advanced Topics in Neurobiology**

Catalog Number: 6206

Larry I. Benowitz (Medical School) 3150 and associates

Topics cover areas at the molecular, cellular, and systems levels in both basic and clinical neuroscience. A series of reading and discussion seminars, each running for a half term (seven weeks).



Note: Two seminars, which can be taken in different terms, are required for credit. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 617-432-0162 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

***Neurobiology 302. How Attention Influences Representation of Sensory Information in Cerebral Cortex, and How These Changes Improve Behavior Performance. - (New Course)**

Catalog Number: 9850

John Maunsell (Medical School) 5670

***Neurobiology 303. Identification of Genes and Functional Pathways that Govern the Development, Function, and Disease State of the Inner Ear. - (New Course)**

Catalog Number: 0660

Zheng-Yi Chen (Medical School) 5478

***Neurobiology 304. Chemistry of Synapses**

Catalog Number: 5467

Edward A. Kravitz (Medical School) 2063

***Neurobiology 306. The Molecular Mechanisms of How Neural and Vascular Networks are Coordinately Developed, Communicate, and Evolve to Work in Concert During Normal and Disease States. - (New Course)**

Catalog Number: 0992

Chenghua Gu (Medical School) 5479

***Neurobiology 308. Molecular Mechanisms of Catecholaminergic-specific Gene Regulation**

Catalog Number: 6125

Kwang-Soo Kim (Medical School) 3046

***Neurobiology 309. Quantitative Microscopic Approaches are used to Study Neural Circuitry in Schizophrenia and to Determine how Postnatal Ontogenesis may Contribute to the Onset of this Disorder**

Catalog Number: 3823

Francine M. Benes (Medical School) 1869

***Neurobiology 310. Neural Coding of Chemosensory Stimuli**

Catalog Number: 2408

Rachel I. Wilson (Medical School) 5257

***Neurobiology 311. Cellular and Molecular Studies of Synapse Formation in the Vertebrate Nervous System**

Catalog Number: 0081

Joshua R. Sanes 5094

***Neurobiology 312. The Study of Synaptic Competition by Visualizing Synaptic Rearrangements Directly in Living Animals Using Modern Optical Techniques**



Catalog Number: 0082

Jeff Lichtman 5163

***Neurobiology 313. Molecular Neurobiology of the Biological Clock**

Catalog Number: 1758

Charles J. Weitz (Medical School) 1139

***Neurobiology 315. Neurotrophins and Cerebellar Development**

Catalog Number: 0128

Rosalind A. Segal (Medical School) 1564

***Neurobiology 316. Laboratory of Pain Physiology**

Catalog Number: 0222

Rami Burstein (Medical School) 1294

***Neurobiology 317. Auditory System**

Catalog Number: 4979

Lisa V. Goodrich (Medical School) 4771

***Neurobiology 318. Molecular Genetics of Cerebral Cortical Development**

Catalog Number: 0825

Christopher A. Walsh (Medical School) 1560

***Neurobiology 319. Neurological Control of Cell Growth and Differentiation**

Catalog Number: 2991

Michael E. Greenberg (Medical School) 1400

***Neurobiology 320. Neuroprotection and Neuronal Repair in Neurodegenerative Disease**

Catalog Number: 4825

Ole S. Isacson (Medical School) 2077

***Neurobiology 321. Higher Functions in the CNS**

Catalog Number: 5387

Margaret S. Livingstone (Medical School) 1064

***Neurobiology 322. Cellular and Molecular Mechanisms in Axon Guidance and Regeneration**

Catalog Number: 2873

Zhigang He (Medical School) 3910

***Neurobiology 323. Synaptic Plasticity**

Catalog Number: 3209

Florian Engert 4290



***Neurobiology 324. Research in Neuropeptide Gene Regulation**

Catalog Number: 4057

Joseph A. Majzoub (Medical School) 1875

***Neurobiology 325. Synaptic Transmissions and Dendritic Processing**

Catalog Number: 2065

Wade G. Regehr (Medical School) 1606

***Neurobiology 326. Age-Dependent Mechanisms of Perinatal Brain Injury**

Catalog Number: 2469

Frances E. Jensen (Medical School) 3940

***Neurobiology 327. Rotations in Neurosciences**

Catalog Number: 5694

Gary I. Yellen (Medical School) 3268

***Neurobiology 328. Mechanisms of Cell Death in Stroke and Trauma**

Catalog Number: 8967

Eng H. Lo (Medical School) 3049

***Neurobiology 329. Molecular and Cell Biology of Alzheimer's Disease**

Catalog Number: 8816

Dennis J. Selkoe (Medical School) 2857

***Neurobiology 330. To Establish Causal Relationships between Gene Expression in the Brain and Motivated Behavior**

Catalog Number: 6269

William A. Carlezon (Medical School) 3929

***Neurobiology 331. Molecular Mechanisms that Control Neuronal Differentiation Nerve Growth and Regeneration in the Mammalian Brain and Retina**

Catalog Number: 9045

Dong Feng Chen (Medical School) 3930

***Neurobiology 332. Ligand-Gated Ion Channels: Structure and Function**

Catalog Number: 1623

Jonathan B. Cohen (Medical School) 1120

***Neurobiology 333. Intercellular Communication**

Catalog Number: 2484

David L. Paul (Medical School) 2318

***Neurobiology 335. Hair Cell Regeneration in the Avian Cochlea; Development of the Cochlear Sensory Epithelium**

Catalog Number: 7218

Douglas Allen Cotanche (Medical School) 3933



***Neurobiology 336. Developmental Cognitive Neuroscience, Focusing Primarily on Memory and Face Processing. - (New Course)**

Catalog Number: 2242

Charles A. Nelson (Medical School) 5480

***Neurobiology 337. Neurobiology of the Human Circadian Pacemaker**

Catalog Number: 5322

Charles A. Czeisler (Medical School) 7763

***Neurobiology 338. Neural Circuitry of Primate Visual Cortex**

Catalog Number: 5634

Richard T. Born (Medical School) 1787

***Neurobiology 339. Mechanisms of Central Synaptic Transmission**

Catalog Number: 9322

Vadim Bolshakov (Medical School) 4948

***Neurobiology 340. Neuronal Interactions within the Retina; Processing of Visual Information; Development of the Retina**

Catalog Number: 5261

John E. Dowling 3545

***Neurobiology 342. Neurophysiology of Visual Cortex and LGN**

Catalog Number: 2778

R. Clay Reid (Medical School) 2957

***Neurobiology 343. Molecular Physiology of Ion Channels**

Catalog Number: 1887

Gary I. Yellen (Medical School) 3268

***Neurobiology 344. Neuropharmacology and Functional Anatomy of Basal Ganglia**

Catalog Number: 7327

Anne B. Young (Medical School) 2896

***Neurobiology 345. Molecular Basis of Neuron Glia Interactions**

Catalog Number: 4918

Gabriel Corfas (Medical School) 2907

***Neurobiology 346. Visual Processing in Primates**

Catalog Number: 0184

John A. Assad (Medical School) 2985

***Neurobiology 347. Alzheimer's Disease Research**

Catalog Number: 6606

Bradley T. Hyman (Medical School) 2952



***Neurobiology 348. Activity-Dependent Development of the Mammalian Visual System**

Catalog Number: 3224

Carla J. Shatz (Medical School) 3796

***Neurobiology 349. Olfactory and Vomeronasal Systems Molecular and Developmental Neurobiology**

Catalog Number: 1416

Catherine Dulac 2801

***Neurobiology 350. Molecular Genetics of Neuronal Development**

Catalog Number: 2038

Constance L. Cepko (Medical School) 1150

***Neurobiology 351. Neurogenetics of Disease**

Catalog Number: 3008

Louis M. Kunkel (Medical School) 1330

***Neurobiology 353. New Biology Through Physics: Molecular Discoveries with Light**

Catalog Number: 3689

David E. Clapham (Medical School) 2987

***Neurobiology 356. Ion Channels in Neural Cell Membranes**

Catalog Number: 8368

David P. Corey (Medical School) 1345

***Neurobiology 358. Neurogenetics of Human Disease**

Catalog Number: 7616

Xandra O. Breakefield (Medical School) 1428

***Neurobiology 360. Statistical Modeling and Stochastic Dynamical Systems Analysis of Neurophysiologic Systems**

Catalog Number: 8525

Emery N. Brown (Medical School) 1399

***Neurobiology 361. Immunobiology of the Nervous System and its Tumors**

Catalog Number: 7282

Lois A. Lampson (Medical School) 2491

***Neurobiology 363. Neural Development and Plasticity**

Catalog Number: 7089

Larry I. Benowitz (Medical School) 3150

***Neurobiology 364. Chemical Neuroanatomy of Autonomic Systems**

Catalog Number: 1523

Clifford B. Saper (Medical School) 3394



***Neurobiology 365. Behavioral Pharmacology of Stimulant Drugs and Brain Dopamine Systems as they relate to Psychiatric Disorders. - (New Course)**

Catalog Number: 8902

S. Barak Caine (Medical School) 5477

***Neurobiology 366. Functional Organization of the Retina**

Catalog Number: 7391

Richard H. Masland (Medical School) 4923

***Neurobiology 367. Neo-Cortical Development and Cellular Transplantation**

Catalog Number: 4252

Jeffrey D. Macklis (Medical School) 3396

***Neurobiology 368. The Neurobiology of Alzheimer's Disease and Related Neurodegenerative Disorders**

Catalog Number: 5054

Bruce Yankner (Medical School) 1557

***Neurobiology 369. Visual Processing**

Catalog Number: 1828

Markus Meister 3007

***Neurobiology 370. Characterization of Genes in Neurodegeneration**

Catalog Number: 8336

Rudolph E. Tanzi (Medical School) 2683

***Neurobiology 372. Neurotransmitter Control of Ion Channels**

Catalog Number: 7104

Bruce P. Bean (Medical School) 1148

***Neurobiology 373. Developmental Studies of the Murine Trigeminal Sensory System**

Catalog Number: 7485

Qiufu Ma (Medical School) 3034

***Neurobiology 374. Investigation of the Molecular Basis of Alzheimer's Disease & Parkinson's Disease Using Genetic Approaches in Mice**

Catalog Number: 9022

Jie Shen (Medical School) 3059

***Neurobiology 375. Mechanisms of Synaptic Transmission & Plasticity**

Catalog Number: 0790

Venkatesh N. Murthy 2424

***Neurobiology 376. Synaptic Transmission, Exocytosis and K⁺ Channel Function**

Catalog Number: 2911

Thomas L. Schwarz (Medical School) 3923



***Neurobiology 377. Physiological Studies of Phototransduction and Light Adaptation**

Catalog Number: 6897

Clint L. Makino (Medical School) 3946

***Neurobiology 379. Growth Factor Regulation of Neural Development and Oncogenesis**

Catalog Number: 7751

Scott L. Pomeroy (Medical School) 3947

***Neurobiology 380. Functional Wiring of the Rabbit Retina, Control of Postnatal Development**

Catalog Number: 4965

Elio Raviola (Medical School) 3582

***Neurobiology 381. Mechanisms of Action of Neurotransmitters and Neuromodulators, Specifically Glutamate and Norepinephrine**

Catalog Number: 6912

Paul Allen Rosenberg (Medical School) 3949

***Neurobiology 382. The Role of the Hypothalamus and Particularly Melanin Concentrating Hormone in the Regulation of Energy Homeostasis**

Catalog Number: 1457

Eleftheria Maratos-Flier (Medical School) 4327

***Neurobiology 384. Structure, Function, and Biological Roles of Na, K-ATPase isoforms in Excitable Tissue**

Catalog Number: 5762

Kathleen J. Sweadner (Medical School) 2148

***Neurobiology 386. Changes in the Function, Chemistry and Structure of Sensory Neurons that Contribute to Pain**

Catalog Number: 7609

Clifford Woolf (Medical School) 3956

***Neurobiology 389. Molecular Regulation of Neural Tube Development**

Catalog Number: 3914

Mary R. Loeken (Medical School) 3151

***Neurobiology 390. The Role of Dendritic Protein Translation in the Modification of Synapses**

Catalog Number: 9202

Bernardo L. Sabatini (Medical School) 4300

***Neurobiology 391. Diversity and Function of the Dscam Receptor**

Catalog Number: 7541

Dietmar Schmucker (Medical School) 4332



***Neurobiology 392. Synaptic Plasticity in the CNS using Electrophysiological and Calcium Imaging Techniques, as well as Genetically Altered Mouse Strains**

Catalog Number: 6750

Chinfei Chen (Medical School) 4437

***Neurobiology 393. Molecular Basis of Inherited Congenital Eye Movement Disorders and Implications for the Development of Brainstem Motorneurons**

Catalog Number: 3085

Elizabeth C. Engle (Medical School) 4312

***Neurobiology 397. Nervous System Construction and Function**

Catalog Number: 0158

Samuel M. Kunes 3486

***Neurobiology 398. CNS and Cancer Gene Therapy**

Catalog Number: 4438

Samuel D. Rabkin (Medical School) 4772

Pathology

Eligible students interested in parasitology and tropical medicine should consult the courses offered by the Department of Tropical Public Health as listed in the catalog of the Harvard School of Public Health. For specific information regarding prerequisites and advisability, contact the office of the Department of Tropical Public Health, Harvard School of Public Health.

Primarily for Graduates

[*Pathology 205. Molecular Biology of the Auditory System](#)

Catalog Number: 0211

Anne Giersch (Medical School)

Half course (fall term). M., W., 5–6:30.

Examines the exciting advances in inner ear genetics and molecular biology. Topics include identifying deafness genes, genes and proteins recently identified as critical for proper inner ear function, development, and regeneration.

Note: Given in alternate years.

Prerequisite: Introductory courses in neurobiology and molecular biology are recommended.

[*Pathology 209. Tumor Pathophysiology and Transport Phenomena - A Systems Biology Approach]

Catalog Number: 5934

Rakesh K. Jain (Medical School)

Half course (fall term). Hours to be arranged.

Tumor pathophysiology plays a central role in the growth, metastasis, detection, and treatment of solid tumors. Principles of transport phenomena are applied to develop a quantitative understanding of tumor biology and treatment.



Note: Expected to be given in 2007–08. Given in alternate years. Offered jointly with the HST Program as HT-525J and with the Medical School as PA 712.0.

[Pathology 211. Pathology]

Catalog Number: 8615

Peter M. Howley (Medical School) and associates

Half course (spring term). Hours to be arranged.

Introductory course covering fundamental pathogenic mechanisms underlying human disease disorders. Discusses a number of individual diseases, including cancer, neurodegenerative diseases and diseases of immune dysfunction. Faculty, expert in specific areas of pathophysiology, lead sessions.

Note: Expected to be given in 2007–08.

Graduate Courses of Reading and Research

Students are usually not eligible to enroll in one of these courses until they have completed their formal required course work. Research courses are primarily designed for research work on a student's dissertation problem, carried out under the direct supervision of one of the following faculty members, whose special research interests are listed.

***Pathology 300. Advanced Topics in Pathology**

Catalog Number: 2245

Patricia A. D'Amore (Medical School) 1168

A series of reading and discussion seminars, each running for a half term (seven weeks).

Different topics are covered each term.

Note: Two seminars, which can be taken in different terms, are required for credit. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 617-432-0162 or visit the DMS Office at T-MEC 435, 260

Longwood Avenue, Boston.

Prerequisite: Dependent on seminar.

***Pathology 302. Molecular Mechanisms of Leukocyte Trafficking**

Catalog Number: 2273

Ulrich H. Von Andrian-Werburg (Medical School) 2090

***Pathology 303. Viral Pathogenic and Transformation Mechanisms**

Catalog Number: 1644

Peter M. Howley (Medical School) 1076

***Pathology 304. Viral Carcinogenesis**

Catalog Number: 1283

Thomas L. Benjamin (Medical School) 4115

***Pathology 307. Endo- and Exocytosis of Membrane Proteins in Kidney Epithelial Cells**

Catalog Number: 7151

Dennis Brown (Medical School) 1582



***Pathology 308. Genetic Models of Human Disease**

Catalog Number: 1918

Michael C. Carroll (Medical School) 2050

***Pathology 309. Characterization of Inflammatory Cytokines**

Catalog Number: 1076

Martin E. Dorf (Medical School) 4541

***Pathology 310. Cellular and Molecular Regulation of Vascular Development**

Catalog Number: 2653

Patricia A. D'Amore (Medical School) 1168

***Pathology 311. Transcription Factor Activity and Regulation**

Catalog Number: 5846

Grace Gill (Medical School) 1811

***Pathology 312. Research in Molecular Cytogenetics**

Catalog Number: 7347

Cynthia C. Morton (Medical School) 2194

***Pathology 313. Research in Integrin Signaling, Cytoskeleton, and Control of Angiogenesis**

Catalog Number: 4139

Donald E. Ingber (Medical School) 2832

***Pathology 314. Molecular Biology of Immune Cell Interactions**

Catalog Number: 1156

Timothy A. Springer (Medical School) 6145

***Pathology 316. Control of Gene Expression in Tumorigenesis and Differentiation**

Catalog Number: 3892

Thomas M. Roberts (Medical School) 7729

***Pathology 319. Signaling and Gene Regulation in Lymphocytes**

Catalog Number: 1859

Anjana Rao (Medical School) 1854

***Pathology 321. Intracellular Signaling Mechanisms in Brain Development and Disease**

Catalog Number: 8032

Azad Bonni (Medical School) 2923

***Pathology 324. Regulation of T-cell Mediated Immune Response**

Catalog Number: 1501

Arlene H. Sharpe (Medical School) 1588

***Pathology 325. Transcriptional Control in Differentiation/Development and Tumorigenesis**



Catalog Number: 1509
Yang Shi (Medical School) 3169

***Pathology 327. Genetic Models of Leukemogenesis**

Catalog Number: 5534
A. Thomas Look (Medical School) 3771

***Pathology 329. Tissue-Specific Lymphocyte Homing and Diversity**

Catalog Number: 7366
James J. Campbell (Medical School) 4438

***Pathology 330. Transcriptional Regulations and Cellular Differentiation**

Catalog Number: 5521
T. Keith Blackwell (Medical School) 1826

***Pathology 331. Biochemistry of Bacterial Toxins**

Catalog Number: 2609
Tucker Collins (Medical School) 1828

***Pathology 332. Mechanisms Used by Small DNA Tumor Viruses to Disrupt Controls of Cellular Proliferation**

Catalog Number: 0445
Nicholas J. Dyson (Medical School) 1829

Pathology 333. Models of Human Neurodegenerative Diseases in the Fruit Fly *Drosophila

Catalog Number: 4845
Mel B. Feany (Medical School) 4439

***Pathology 334. Characterization of Tumor Suppressor Genes Implicated in Wilms Tumor and Breast Cancer**

Catalog Number: 5744
Daniel A. Haber (Medical School) 1832

***Pathology 335. Molecular Approaches to Cell Immortalization and Transformation**

Catalog Number: 2283
William C. Hahn (Medical School) 4317

***Pathology 338. Genetic and Biochemical Analysis of GTPase-mediated Signal Transduction Pathways**

Catalog Number: 2647
Jeffrey E. Settleman (Medical School) 1820

***Pathology 342. Molecular Regulation of Physiological Versus Pathological Angiogenesis - (New Course)**

Catalog Number: 7284
Laura E. Benjamin (Medical School) 5400



***Pathology 343. Cell Adhesion in Vascular Biology**

Catalog Number: 4822

Denisa D. Wagner (Medical School) 2092

***Pathology 346. Biochemistry of Gene Expression**

Catalog Number: 5912

Jeffrey D. Parvin (Medical School) 2084

***Pathology 347. Genetic, Molecular, and Cellular Analysis of Nervous System Function and Development**

Catalog Number: 7591

Anne C. Hart (Medical School) 1010

***Pathology 350. Topics in Vascular Biology**

Catalog Number: 0289

Michael A. Gimbrone (Medical School) 1896

***Pathology 351. Cytoskeleton in Cancer Development and Progression**

Catalog Number: 5656

Andrea I. McClatchey (Medical School) 2204

***Pathology 352. Recombination Functions of the BRCA Genes**

Catalog Number: 5001

Ralph Scully (Medical School) 4536

***Pathology 353. Cell Cycle Proteins in Development and Cancer**

Catalog Number: 1475

Piotr Sicinski (Medical School) 2245

***Pathology 354. Biochemistry of Transmembrane Receptors Interactions**

Catalog Number: 9969

Stephen C. Blacklow (Medical School) 1462

***Pathology 359. Signal Transduction Pathways Involved in Cellular Proliferation and Apoptosis**

Catalog Number: 2841

Roya Khosravi-Far (Medical School) 2704

***Pathology 360. Biology and Genetics of Human Cancers**

Catalog Number: 0188

Matthew L. Meyerson (Medical School) 2421

***Pathology 361. The Molecular Causes of Aging**

Catalog Number: 6096

David A. Sinclair (Medical School) 2610



***Pathology 362. Gene Targeting, Immunology and Disease**

Catalog Number: 5290

Klaus Rajewsky (Medical School) 4330

***Pathology 364. Molecular Genetics of Erythroid Iron Metabolism**

Catalog Number: 5354

Mark Daniel Fleming (Medical School) 4955

***Pathology 365. Control of Endothelial Cell Fate and Vascular Development by Fluid Mechanical Forces**

Catalog Number: 4860

Guillermo Garcia-Cardena (Medical School) 4956

***Pathology 366. Phagocyte-endothelial Cell Responses in Inflammation**

Catalog Number: 4122

Tanya Mayadas (Medical School) 4963

***Pathology 367. Developing Mouse Models for Human Cancers**

Catalog Number: 2162

Sandra Orsulic (Medical School) 4964

***Pathology 368. Signaling Pathways in Cancer Cell Biology**

Catalog Number: 1919

Alex Toker (Medical School) 4971

***Pathology 369. Molecular Recognition and Protein Engineering**

Catalog Number: 8852

J. Keith Joung (Medical School) 5149

***Pathology 370. Cell Cycle Control and Ubiquitin-Mediated Proteolysis**

Catalog Number: 1354

J. Wade Harper (Medical School) 4957

***Pathology 371. Biology and Function of Tissue-Specific Stem Cells**

Catalog Number: 9993

Amy Jo Wagers (Medical School) 5212

***Pathology 372. DNA Damage Responses and Genomic Stability**

Catalog Number: 5604

Lee Zou (Medical School) 5258

***Pathology 373. Integration of Cellular Metabolism and Apoptosis**

Catalog Number: 8788

Nika Danial (Medical School) 5393



***Pathology 374. Signaling in Innate Immunity and Leukemia**

Catalog Number: 9911

Hongbo Luo (Medical School) 5395

***Pathology 375. Identify Mammalian Short RNAs, their Cognate mRNA Targets, and the Factors that are Involved in Gene Silencing - (New Course)**

Catalog Number: 2870

Carl D. Novina (Medical School) 5356

***Pathology 376. Mechanism and Regulation of Ribosome Biogenesis - (New Course)**

Catalog Number: 3329

Guo-Fu Hu (Medical School) 5402

***Pathology 377. Epigenetic Mechanisms in Mammalian Development - (New Course)**

Catalog Number: 5739

Bradley E. Bernstein (Medical School) 5669

***Pathology 378. Epigenetic Regulation in Development and Disease - (New Course)**

Catalog Number: 8317

Laurie Jackson-Grusby (Medical School) 5671

***Pathology 379. Mitochondria in Aging and Metabolism - (New Course)**

Catalog Number: 7386

Marcia C. Haigis (Medical School) 5734

Pharmacology

For courses pertaining to Pharmacology see listings under the Department of Biological Chemistry and Molecular Pharmacology.

Virology

Primarily for Graduates

[Virology 200 \(formerly Virology 202\). Introduction to Virology](#)

Catalog Number: 6075

Philip R. Dormitzer (Medical School), David M. Knipe (Medical School), Karl Münger (Medical School), and Max L. Nibert (Medical School)

Half course (fall term). M., 3:30–5, W., 3–5.

Introduction to virology. The lecture component reviews the basic principles of virology and introduces the major groups of animal viruses. Weekly discussion groups critically analyze selected papers from the literature.

Note: There will be a final project consisting of a proposal based on laboratory rotations (for Virology Program students) or a final paper based on a topic from the literature. Offered jointly with the Medical School as MG 703.0.



Virology 201 (formerly Virology 200). Virology

Catalog Number: 1190

Sean P.J. Whelan (Medical School) and James M. Cunningham (Medical School)

Half course (spring term). Tu., Th., 2:30–4.

Course focuses on virus-host interactions. Topics include virus structure/replication, pathogenesis, evolution (“emerging viruses”), chronic infection and latency, innate and adaptive immunity, anti-viral drugs/vaccines. Literature-based critical reading and discussion.

Note: Offered jointly with the Medical School as MG 723.0.

Prerequisite: For undergraduates, junior standing and permission is required.

Virology 202 (formerly Virology 201). Animal Virology: Seminar

Catalog Number: 6025

Michael R. Farzan (Medical School), Welkin E. Johnson (Medical School), Jae Ung Jung (Medical School), and Frederick C. Wang (Medical School)

Half course (fall term). W., 1:30–4:30.

Students will write, present, and evaluate research proposals in the areas of virus replication, viral pathogenesis and treatment and prevention of viral infections.

Note: Offered jointly with the Medical School as MG 724.0

Prerequisite: General background in biochemistry and virology.

Graduate Courses of Reading and Research

***Virology 300r. Introduction to Research**

Catalog Number: 0530

David M. Knipe (Medical School) 7089

***Virology 301. Herpes Virus Interaction with the Host Cell**

Catalog Number: 7344

David M. Knipe (Medical School) 7089

***Virology 302. Molecular and Biological Aspects of Herpes Simplex Virus (HSV) Gene Expression, DNA Replication and Latency**

Catalog Number: 3147

Priscilla A. Schaffer (Medical School) 4873

***Virology 304. Molecular Biology of Kaposi’s Sarcoma-Associated Herpes Virus**

Catalog Number: 8182

Kenneth M. Kaye (Medical School) 3064

***Virology 305. Transcriptional Regulation of Viral and Mammalian Genes**

Catalog Number: 5437

Sean P.J. Whelan (Medical School) 4591

***Virology 306. Structure and Function of Herpes virus DNA Polymerase and the HIV Reverse Transcriptase; Resistance to Antiviral Drugs in Clinical Viral Isolates and Mechanisms of Resistance and Pathogenesis**



Catalog Number: 6968

Clyde S. Crumpacker II (Medical School) 1092

***Virology 307. Genetics and Biochemistry of Prokaryotic Transposable Elements and Yeast Meiotic Chromosome Metabolism**

Catalog Number: 6097

Nancy Kleckner 4697

***Virology 308. Molecular Genetics of Herpes Virus**

Catalog Number: 3000

Donald M. Coen (Medical School) 7617

***Virology 309. Human Oncogenic Viruses**

Catalog Number: 4011

Jack L. Strominger 1193

***Virology 310. Cellular Transformation by SV40**

Catalog Number: 0221

James A. DeCaprio (Medical School) 1296

***Virology 311. Molecular Biology of Epstein-Barr Infection**

Catalog Number: 0513

Frederick C. Wang (Medical School) 1297

***Virology 312. Molecular Biology of Epstein-Barr Virus Infection and Transformation of B-Lymphocytes**

Catalog Number: 3483

Elliott D. Kieff (Medical School) 1858

***Virology 313. Molecular Basis for Simian Virus Pathogenesis**

Catalog Number: 2528

Ronald C. Desrosiers (Medical School) 1874

***Virology 314 (formerly *Pathology 323). Viral Oncoproteins as Probes to Study the Regulation of Cell Growth and Differentiation**

Catalog Number: 6286

Karl Münger (Medical School) 1586

***Virology 315. Mechanisms of Transcriptional Repression in Eukaryotic Cells**

Catalog Number: 0462

Yang Shi (Medical School) 3169

***Virology 316. Assembly of Human Immunodeficiency Virus Virions**

Catalog Number: 6353

Heinrich G.J. Gottlinger (Medical School) 1813



***Virology 317. Virology and Immunology of Human Retroviruses**

Catalog Number: 0954

Myron Essex (Public Health) 2499

***Virology 319. Functional Analysis of Tumor Suppression Genes**

Catalog Number: 5817

David Morse Livingston (Medical School) 4872

***Virology 320. Pathogenesis of Human Retroviruses**

Catalog Number: 1532

Joseph G. Sodroski (Public Health) 1712

***Virology 321. Retroviral DNA Integration**

Catalog Number: 6857

Alan N. Engelman (Medical School) 2196

***Virology 322. HIV Molecular Biology and Pathogenesis**

Catalog Number: 9023

Dana Gabuzda (Medical School) 1581

***Virology 323. Immunobiology of the Epstein-Barr Virus Receptor; Pathogenesis of EBV and B-cell Tumors**

Catalog Number: 0778

Joyce D. Fingerioth (Medical School) 2707

***Virology 324. Leukemogenic Retroviruses**

Catalog Number: 5263

James M. Cunningham (Medical School) 2346

***Virology 325. Retroviral Pathogenesis; Host-Virus Interactions Including Virus-Induced Perturbation of the Developing Immune System; the Nature of Protective Anti-Retroviral Immune Responses in Primates**

Catalog Number: 8029

Ruth M. Ruprecht (Medical School) 2716

***Virology 326. Pathogenesis and Treatment of Human Retrovirus and Herpesvirus Infection**

Catalog Number: 6440

Martin S. Hirsch (Medical School) 2876 (Medical School)

***Virology 328. Humoral Response to Retroviral Infections in Humans; Identification of Coding Sequence of Human Retroviruses and their Gene Products**

Catalog Number: 2513

Tun-Hou Lee (Public Health) 2769



***Virology 329. Cellular Immunology of Persistent Human Virus Infections**

Catalog Number: 5417

Bruce Walker (Medical School) 2847

***Virology 330. Critical Readings in Virology**

Catalog Number: 5966

Alan N. Engelman (Medical School) 2196, James A. DeCaprio (Medical School) 1296, Michael R. Farzan (Medical School) 4775, Dana Gabuzda (Medical School) 1581, and Karl Münger (Medical School) 1586

Half course (fall term). Tu., Th., 5–6:30.

Critical evaluation of virology-related papers reporting a seminal contribution, strong methodological approaches, or in some cases due to errors in methodology or author interpretation. Requirements include written critiques and class participation.

Note: Given in the month of January.

***Virology 332. Protein Phosphorylation and Gene Expression in Normal and Transformed Cells**

Catalog Number: 9093

Raymond L. Erikson 7506

***Virology 333. Antiretroviral Drug Resistance, and Drug Resistant Human Immunodeficiency Virus**

Catalog Number: 5526

Daniel R. Kuritzkes (Medical School) 4773

***Virology 334. HIV-1 and Other Viruses**

Catalog Number: 3803

Michael R. Farzan (Medical School) 4775

***Virology 335. Use of Virologic, Biochemical, and Structural Approaches to Study Rotavirus Cell Entry**

Catalog Number: 0520

Philip R. Dormitzer (Medical School) 4952

***Virology 347 (formerly *Microbiology 342). Reovirus Structure, Assembly, and Particle Functions in Entry and RNA Synthesis**

Catalog Number: 4181

Max L. Nibert (Medical School) 3896

Medieval Studies



AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Medieval Studies

Nicholas Watson, Professor of English and American Literature and Language (*Chair*)

Charles Donahue, Jr., Paul A. Freund Professor of Law (*Law School*)

John Duffy, Dumbarton Oaks Professor of Byzantine Philology and Literature, Associate of Eliot House (*on leave fall term*)

Michael S. Flier, Oleksandr Potebnja Professor of Ukrainian Philology

Virginie Greene, Professor of Romance Languages and Literatures

Jeffrey F. Hamburger, Professor of History of Art and Architecture

Michael J. Hemment, Research Librarian and Head of Scholarly Research Initiatives

Amy Hollywood, Elizabeth H. Monrad Professor of Christian Studies (*Divinity School*) (*on leave 2007-08*)

Ioli Kalavrezou, Dumbarton Oaks Professor of Byzantine Art

Thomas Forrest Kelly, Morton B. Knafel Professor of Music

Beverly M. Kienzle, John H. Morison Professor of the Practice in Latin and Romance Languages (*Divinity School*)

Angeliki E. Laiou, Dumbarton Oaks Professor of Byzantine History

Kevin J. Madigan, Professor of the History of Christianity (*Divinity School*)

Michael McCormick, Francis Goelet Professor of Medieval History

Catherine McKenna, Margaret Brooks Robinson Professor of Celtic Languages and Literatures (*on leave spring term*)

John E. Murdoch, Professor of the History of Science

Tomás Ó Cathasaigh, Henry L. Shattuck Professor of Irish Studies

Katharine Park, Samuel Zemurray, Jr. and Doris Zemurray Stone Radcliffe Professor of the History of Science (*on leave spring term*)

Bernard Septimus, Jacob E. Safra Professor of Jewish History and Sephardic Civilization

James Simpson, Donald P. and Katherine B. Loker Professor of English

Daniel L. Smail, Professor of History

Christine Smith, Robert C. and Marian K. Weinberg Professor of Architectural History (*Design School*) (*on leave fall term*)

William P. Stoneman, Florence Fearington Librarian of the Houghton Library

R. J. Tarrant, Pope Professor of the Latin Language and Literature

Hugo van der Velden, Professor of History of Art and Architecture

Jan Ziolkowski, Arthur Kingsley Porter Professor of Medieval Latin

The Standing Committee on Medieval Studies exists in order to promote and coordinate work on medieval subjects broadly construed throughout the University, including Dumbarton Oaks in Washington, D.C., and I Tatti in Florence, as well as the various faculties and departments in Cambridge. Working in cooperation with the student-faculty Medieval Society, it sponsors events and activities of interest to medievalists. Among its most important activities are the frequent meetings of the Medieval Studies Seminar (Monday afternoons), the sporadic Special Seminars in Medieval Studies, and fostering the Medieval Studies Library in Widener. Its electronic mailing list is the most comprehensive guide to late antique, medieval, and Byzantine events at Harvard University and in the Boston area generally. No degree specifically in



Medieval Studies is offered either on the undergraduate or on the graduate level, although it is possible to develop within many departmental programs an individual program emphasizing the medieval aspects of the field. A graduate student who wishes to follow an interdisciplinary doctoral program is required to enter and to work for at least a year in one of the regular departmental programs for the PhD. After a year, it is recommended that the student contact the Chairman of the Committee on Medieval Studies for guidance as to the alternatives available in Medieval Studies. With the assistance of the Committee on Medieval Studies, the student may petition the Dean of the Graduate School for permission to work under the guidance of a specially appointed Ad Hoc Committee in a specific area of Medieval Studies. If this petition is approved, the Ad Hoc Committee will supervise the graduate student's program through the completion of the doctorate. Specific questions concerning Medieval Studies on either the undergraduate or the graduate level and requests for the pamphlet on Medieval Studies and the annual list of courses on medieval topics should be addressed to the Chairman of the Committee, Robinson Hall 201. For more information and to receive the Medieval Studies Committee email on its frequent activities, contact medieval@fas.harvard.edu (and view its website at www.fas.harvard.edu/~medieval).

For Undergraduates and Graduates

Medieval Studies 101. The Auxiliary Disciplines of Medieval History: Proseminar

Catalog Number: 3759

Michael McCormick

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Familiarizes new scholars in art history, history, literature, and music with the research tools, techniques, and concepts required for advanced study of medieval evidence. “Medieval” ranges from Diocletian to the Renaissance, focusing on the Latin West but not neglecting Byzantium. Topics include an initiation to Latin palaeography, from the 6th to the 17th century, codicology, general heuristics, hagiography, late and medieval Latin philology, late antique studies, numismatics, and diplomatic.

Note: First meeting in the Medieval Studies Library, Widener D.

***Medieval Studies 102. Latin Palaeography and Manuscript Culture: Seminar**

Catalog Number: 7124 Enrollment: Limited to 12.

Beverly M. Kienzle (Divinity School)

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

An introduction to Latin manuscripts and the historical and cultural context of their production and use. Taught in collaboration with William P. Stoneman, Florence Fearrington Librarian of the Houghton Library. Includes a practical initiation to Latin palaeography, with visits to Houghton and opportunities to work with both actual manuscripts and facsimiles of famous manuscripts, practice in transcribing previously unedited texts, and discussion of problems in textual criticism. Student presentations on research projects.

Note: Offered jointly with the Divinity School as 2223/4330.

Prerequisite: Completion of an intermediate Latin course or the equivalent.

[Medieval Studies 107. Authority and Invention: Art and Architecture in Western Europe, 950–1250]



Catalog Number: 9420

Christine Smith (Design School)

Half course (spring term). Hours to be arranged.

An introduction to selected works of architecture, sculpture, and painting from the revival of monumental building around the turn of the millennium to the gothic cathedral. Topics include Ottonian art; the Millennium; monasticism; pilgrimage; the idea of Antiquity; and the forging of new values. Emphasis on close examination of relatively few works in the context of each historical theme or problem, and on the diversity of cultural contexts and artistic manifestations. *Note:* Expected to be given in 2007–08. Offered jointly with the Graduate School of Design as GSD 4358. Meets at the Graduate School of Design, Gund Hall.

Medieval Studies 108. Nature and the Ideal: Art and Architecture in Italy, 1250–1520

Catalog Number: 2898

Christine Smith (Design School)

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An introduction to Italian painting, sculpture, and architecture from ca. 1250 to 1520 emphasizing style and technique. The course is structured in three parts, each focusing on a single artist whose works are of outstanding historical and artistic significance and whose numerous interactions with artists working in other media, and activity in diverse centers of artistic production, indicate the broader range of artistic concerns and achievements of their time. *Note:* Offered jointly with the Graduate School of Design as GSD 4402. Meets at the Graduate School of Design, Gund Hall.

Medieval Studies 114. The Medieval Imagination: Visions, Dreams, and Prophecies - (New Course)

Catalog Number: 3080

Nicholas Watson

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

The medieval imagination was the ambiguous mediator between the world and the human understanding, a mental locus in which either prophetic truths or dreams and diabolic deceptions might be apprehended. This course investigates dream poetry and visionary writing in the context of medieval psychological theory. Texts to be read include *The Vision of Paul*, Dante's *Inferno*, Chaucer's *House of Fame*, *The Romance of the Rose*, and works by Augustine, Macrobius, and Julian of Norwich.

Medieval Studies 117. Constitutional and Legal History of Medieval England

Catalog Number: 5468

Charles Donahue, Jr. (Law School)

Half course (spring term). M., W., F., at 11, and a weekly section to be arranged. EXAM GROUP: 4

A survey of the ideas and events that shaped the structure of English law and governance from the Anglo-Saxon invasions to the Reformation Parliament. Topics include the formation of the kingdom of England, the emergence of institutions of royal governance, the relations between church and state, the development of Parliament, and the various institutional reactions to political conflict and social change.

Note: Offered concurrently, but with a separate section, at the Law School.



[Medieval Studies 119. Constitutional and Legal History of Medieval Continental Europe]

Catalog Number: 4410

Charles Donahue, Jr. (Law School)

Half course (spring term). Hours to be arranged.

A survey of the main outlines of continental European constitutional and legal history from the fall of the Roman Empire to the “Rise of absolutism” at the beginning of the 17th century.

Focuses on the main expressions of European legal culture over this long period of time. In each period an effort is made to relate the types of law produced to the social, political, and religious history of the period.

Note: Expected to be given in 2007–08. Offered concurrently, but with a separate section, at the Law School.

[Medieval Studies 125. The Spirit’s Voices: Holy Women in Medieval Christianity]

Catalog Number: 3107

Beverly M. Kienzle (Divinity School)

Half course (fall term). Hours to be arranged.

Prophets, preachers, scholars, teachers: the voices of medieval women through their writings, lives, manuscript illuminations, and music. Emphasis on careful analysis of primary texts from 1100 to 1500 and their cultural context. Thematic focus on inspiration from Scripture, the Spirit, and the saints. Attention to historiography and issues of gender, authorship, and authority.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2262.

[Medieval Studies 127. Hildegard of Bingen and the Gospels: Seminar - \(New Course\)](#)

Catalog Number: 7365

Beverly M. Kienzle (Divinity School)

Half course (fall term). Th., 3–5:30. EXAM GROUP: 17, 18

Reading and analysis of Hildegard of Bingen’s *Expositiones evangeliorum* with attention to genre, exegetical and homiletic tradition, intertextuality, and questions of gender and authority.

Requirements include: secondary readings on Hildegard’s works, medieval exegesis, monastic culture, medieval religious women; a research project based on the homilies’ sources.

Note: Offered jointly with the Divinity School as 2224/4331.

Prerequisite: Completion of an intermediate Latin course or the equivalent.

Cross-listed Courses

For courses of additional interest, please see courses taught by members of the Committee at the Graduate School of Design, Harvard Divinity School, and Harvard Law School.

Core Curriculum

[Historical Study A-14. Japan: Tradition and Transformation](#)

[Historical Study A-27. Reason and Faith in the West]

[Historical Study A-40. The Middle East and Europe since the Crusades: Relations and Perceptions]

[Historical Study B-11. The Crusades](#)

[Historical Study B-13. Charlemagne and the Birth of Medieval Civilization]



[**Historical Study B-19. The Renaissance in Florence**]

[**Literature and Arts A-11. Arthurian Literature: Epic versus Romance**](#)

[**Literature and Arts A-26. Dante's *Divine Comedy* and Its World**]

[**Literature and Arts A-47. The Perfect Tale: The Art of Storytelling in Medieval France - \(New Course\)**](#)

[**Literature and Arts A-67. Poetry and Power: The Celtic Bard - \(New Course\)**](#)

[**Literature and Arts A-70. The Book of Job and the Joban Tradition**]

[**Literature and Arts B-35. The Age of Sultan Suleyman the Magnificent: Art, Architecture, and Ceremonial at the Ottoman Court**]

[**Literature and Arts B-43. The Gothic Cathedral**]

[**Literature and Arts B-46. Art in the Wake of the Mongol Conquests: Genghis Khan and His Successors**](#)

[**Literature and Arts C-20. The Hero of Irish Myth and Saga**]

[**Literature and Arts C-22. European Culture in the Middle Ages**](#)

[**Literature and Arts C-25. The Medieval Stage**](#)

[**Literature and Arts C-28. Icon-Ritual-Text: Reading the Culture of Medieval Rus'**](#)

[**Literature and Arts C-43. The Medieval Court**](#)

Freshman Seminars

[***Freshman Seminar 30i. The Tale of Genji in Word and Image**] - (*New Course*)

[***Freshman Seminar 38m. Meeting the Byzantines - \(New Course\)**](#)

[***Freshman Seminar 39n. Literature Humanities: Medieval and Modern Classics**](#)

[***Freshman Seminar 49i. Understanding Ancient Politics in the Medieval World - \(New Course\)**](#)

Celtic Languages and Literature

[**Celtic 107. Early Irish History**]

[**Celtic 113. Gaelic Women's Poetry**]

[**Celtic 114. Early Irish Historical Tales**]

[**Celtic 137. Celtic Mythology - \(New Course\)**](#)

[**Celtic 138. Narrative Traditions of Medieval Wales**]

[**Celtic 151. The Literature of Medieval Celtic Christianity**]

[**Celtic 166. The Folklore of Women - \(New Course\)**](#)

[**Celtic 184. The *Táin***](#)

[**Celtic 200. Introduction to Old Irish**]

[**Celtic 201. Continuing Old Irish**]

[**Celtic 204r. Readings in Early Irish Poetry**](#)

[**Celtic 205r. Readings in Early Irish Prose**](#)

[**Celtic 222. Early Irish Manuscript Tradition**]

[**Celtic 225a. Introduction to Middle Welsh**](#)

[**Celtic 225b. Continuing Middle Welsh**](#)

[**Celtic 226r. Readings in Middle Welsh**]

[**Celtic 227. Seminar: Welsh Bardic Poetry**]



The Classics

[Latin Bam \(formerly Latin 3m\). Latin Prose Selections \(Late Antique and Medieval\)](#)
[Latin Bbm \(formerly Latin 4m\). Introduction to Latin Poetry \(Late Antique and Medieval\)](#)
[Medieval Greek 115ar. Introduction to Byzantine Greek](#)
[Medieval Greek 195. Byzantine Saints' Lives of the 7th Century - \(New Course\)](#)
[Medieval Latin 150. Abelard and Heloise](#)
[Medieval Latin 251 \(formerly Medieval Latin 151\). Virgil in the Middle Ages - \(New Course\)](#)

Comparative Literature

[*Comparative Literature 210. Comparative Themes in the Literatures of Medieval Spain: Seminar]
[*Comparative Literature 211. Mysticism and Literature: Seminar]
[*Comparative Literature 280. Literary Theory and Criticism in the Middle Ages: Seminar]

East Asian Languages and Civilizations

[Chinese History 113. Social History of Late Imperial China]
[Chinese Literature 200. Pre-modern Chinese Literary Studies]
[Chinese Literature 201a. History of Chinese Literature: Beginnings through Song](#)
[Chinese Literature 201b. History of Chinese Literature: 900-1900](#)
[East Asian Studies 220r. Medieval Japanese Picture Scrolls - \(New Course\)](#)
[Japanese History 111a. Gods, Sovereigns, and Shoguns: The History of Early Japan](#)
[Japanese History 211. Introduction to Ancient and Medieval Japanese Historical Sources]

English and American Literature and Language

[English 10a. Major British Writers I](#)
[*English 90cm. Mapping the World: Medieval Romance - \(New Course\)](#)
[*English 90cp. Performance of History: Medieval to Early Modern - \(New Course\)](#)
[English 101. The History and Structure of the English Language](#)
[English 102e. Anglo-Saxon Language and Culture: Introduction to Poetry](#)
[English 103e. Anglo-Saxon Language and Culture: *Beowulf* and Elegy - \(New Course\)](#)
[English 112. Chaucer and the Invention of Middle English Literature](#)
[English 115b. Chaucer: *The Canterbury Tales*]
[*English 200. Chaucer and His Books: Graduate Seminar - \(New Course\)](#)
[*English 201. Images, Idolatry and Iconoclasm, 1350-1600: Graduate Seminar](#)
[*English 210. Early Middle English Identities: Graduate Seminar - \(New Course\)](#)
*English 300hf. Old and Middle English: Doctoral Conference

Folklore and Mythology



[*Folklore and Mythology 98a (formerly *Folklore and Mythology 97b). Oral Literature and the History of Folkloristics]

[Folklore and Mythology 162. Edda and Saga: Myth and Reality of the Viking Age - \(New Course\)](#)

Germanic Languages and Literatures

[German 101. Introduction to Medieval Literature and Culture]

[German 200. Introduction to Middle High German Language, Literature, and Culture](#)

[German 225. History of the German Language](#)

[Scandinavian 80. The Vikings and the Nordic Heroic Tradition](#)

[Scandinavian 160a. Old Norse Language, Literature, and Culture: The Viking Legacy]

[Scandinavian 160br (formerly Scandinavian 160b). Old Norse Language, Literature, and Culture: Mythology]

Government

[*Government 90jl. The Mirror of Princes](#)

[Government 1060. The History of Ancient and Medieval Political Philosophy](#)

History

[History 10a. Western Societies, Politics, and Cultures: From Antiquity to 1650](#)

[History 20b. Western Intellectual History: The Middle Ages to the Seventeenth Century]

[History 90a. Major Themes in Medieval History]

[*History 90b. Thought and Culture in the European Renaissance and Reformation](#)

[History 1101. Medieval Europe]

[History 1111. The Fall of the Roman Empire](#)

[History 1121. Vengeance, Hatred, and Law in Premodern Europe - \(New Course\)](#)

[History 1122. Persons and Things in Medieval Europe - \(New Course\)](#)

[History 1150. The Jews in Muslim and Christian Spain](#)

[History 1158. The Mediterranean in the Late Middle Ages, 1204-1500: Conference Course]

[History 1166. Family, Sex, and Marriage in Western Europe, East and West in the Medieval and Early Modern Period: Conference Course](#)

[History 1212. The Imperial System: Byzantine Society and Civilization, 8thc.-1204: Conference Course]

[History 1877a. History of the Near East, 600-1055](#)

[History 1877b. History of the Near East, 1055-1517: Conference Course](#)

[History 1878a. Ottoman State and Society I \(1300-1550\)](#)

[History 1942. The Historiography of Renaissance and Reformation Europe, 1450-1650: Conference Course](#)

[*History 2101. Medieval Societies and Cultures: Proseminar]

[*History 2120. Problems in Byzantine History: Proseminar](#)

[History 2122. Early Medieval History: Seminar: Communications in the Early Medieval Mediterranean]



[History 2125. Problems in High and Late Medieval History: Seminar - \(New Course\)](#)

[History 2126. Medieval Law](#)

[History 2271r. Topics in Byzantine History: Seminar]

[History 2310. Problems in Late Medieval and Early Modern Europe 1250-1750: Seminar](#)

[History 2884. Topics in Ottoman Social and Cultural History: Seminar](#)

[History 2885. Introduction to Archival Research in Ottoman History: Proseminar](#)

[History 2886. Topics in Islamic History: Seminar](#)

History and Literature

[*History and Literature 97. Tutorial — Sophomore Year](#)

History of Art and Architecture

[History of Art and Architecture 14k. Art, Faith and Power: Introduction to Early Christian and Byzantine Art - \(New Course\)](#)

[History of Art and Architecture 14n. From the Carolingians to the Capetians: Topics in Medieval Art - \(New Course\)](#)

[History of Art and Architecture 18k. Introduction to Japanese Art](#)

[History of Art and Architecture 122x. Architecture of the Mediterranean World \(1300-1650\) - \(New Course\)](#)

[*History of Art and Architecture 123y. Monuments of Medieval Islamic Architecture \(7th–13th Century\)](#)

[*History of Art and Architecture 124z. Architecture and Dynastic Legitimacy: The Early Modern Islamic Empires (1450-1650)]

[*History of Art and Architecture 140h (formerly History of Art and Architecture 40). Court and Cloister in the Later Middle Ages]

[*History of Art and Architecture 143r \(formerly *History of Art and Architecture 143m\). The Art of the Court of Constantinople](#)

[History of Art and Architecture 144x. Topics in Early Christian Art]

[*History of Art and Architecture 146x. The Art of Devotion](#)

[History of Art and Architecture 152. Italian Renaissance Art - \(New Course\)](#)

[History of Art and Architecture 152e. Fountains of Central Italy, c. 1270–1750]

[History of Art and Architecture 155. Problems in Northern Renaissance Art]

[History of Art and Architecture 188j. Japanese Architecture - \(New Course\)](#)

[*History of Art and Architecture 224m. Drawing in the Pre-Modern Islamic World]

[*History of Art and Architecture 240r. Byzantine Art](#)

[*History of Art and Architecture 241n. Image-Text-Context]

[*History of Art and Architecture 242. Issues of Interpretation in Medieval Art](#)

[*History of Art and Architecture 245. Jan and Hubert van Eyck: The Ghent Altarpiece]

[*History of Art and Architecture 256m. Alberti's Renaissance](#)

[*History of Art and Architecture 257n. The Medieval Treasury - \(New Course\)](#)

[*History of Art and Architecture 282w. Visual Culture of the Tang Dynasty \(619–906\) - \(New Course\)](#)

[History of Art and Architecture 282y. The Visual Culture of Relics in East Asia]



History of Science

[History of Science 107. History of Medieval Science](#)

[History of Science 111v. Leonardo da Vinci: The Science of Art and the Art of Science - \(New Course\)](#)

[History of Science 112 (Medicine and Society in Medieval and Renaissance Europe).
Health, Medicine and Healing in Medieval and Renaissance Europe]

[*History of Science 207r. Medieval Science: Seminar](#)

[History of Science 212. The Sciences of Life, Medicine and the Body in Medieval Renaissance Europe - \(New Course\)](#)

[History of Science 215r. Science and Culture in Late Medieval and Early Modern Europe:
Seminar]

[History of Science 297r. Topics in the History of Medieval Latin Science](#)

[*History of Science 298r. The Establishment of Medieval Latin Scientific and Philosophical Texts: Seminar](#)

Linguistics

[Linguistics 158r. From Indo-European to Old Irish]

[Linguistics 168. Introduction to Germanic Linguistics]

[Linguistics 250. Old Church Slavonic](#)

[Linguistics 252. Comparative Slavic Linguistics]

Literature

[Literature 157 \(formerly Comparative Literature 111\). From Type to Self in the Middle Ages](#)

Music

[Music 1a. Introduction to Western Music from the Middle Ages to Mozart](#)

[Music 191r. Topics in Medieval and Renaissance Music: Proseminar](#)

[Music 212r. Chant: Seminar](#)

[Music 213r. Topics in Medieval Polyphony: Seminar]

Near Eastern Languages and Civilizations

[Arabic 120a. Intermediate Classical Arabic I](#)

[Arabic 120b. Intermediate Classical Arabic II](#)

[Arabic 146r. History of the Arabic Languages]

[Arabic 150r. History of Classical Arabic Literature](#)

[Arabic 160r. Readings in Arabic Historians, Geographers, and Biographers](#)

[Arabic 230a. Hadith I: Seminar]

[Arabic 240r. Classical Arabic Philology](#)

[Arabic 245r. Classical Arabic Literature: Seminar]

[Arabic 246r. Andalus, Sicily, and the Maghrib in Literary and Cultural Texts: Seminar](#)



[Arabic 248r. Medieval Arabic Writings on Grammar: Seminar](#)
[Arabic 258. Medieval Arabic Logic: Seminar - \(New Course\)](#)
[Hebrew 160. The Origins and Development of the Classical Jewish Liturgy](#)
[Hebrew 165. Maimonides' Book of Knowledge and its Medieval Critics]
[Hebrew 171. The Problem of Language in Medieval Jewish Thought](#)
[Hebrew 217. The Medieval Torah Commentary: A Practical Introduction: Seminar](#)
[Islamic Civilizations 120. The Muslim Mediterranean City]
[Jewish Studies 139. Jewish Literature in the Islamic World, 650–1300 - \(New Course\)](#)
[Jewish Studies 142. Gender Roles and the Role of Gender: Jewish Society in Medieval and Early Modern Europe - \(New Course\)](#)
[Turkish 143. Ottoman Turkish: The Story of a Language] - (New Course)

The Study of Religion

[Religion 1422. History of the Exegesis and Reception of the Gospel of Luke]
[Religion 1434. History of Western Christianity, 300–1100]
[Religion 1437. History of Western Christianity: 1100–1500]
[Religion 1438. The Friars and Their World, ca. 1100–1325]
[Religion 1442. Luther's Dangerous Doctrines: Conference Course](#)
[Religion 1850. The Protocol of the Gaze: Seminar]
[Religion 2426. Editing Greek Christian Literature: Seminar]
[Religion 2840. Ibn Taymiyyah and His Times: Seminar]

Romance Languages and Literatures

[French 70a. Introduction to French Literature I: From the Middle Ages to Modernity](#)
[French 100. History of the French Language](#)
[French 102. Introduction to Medieval Literature and Old French]
[French 112. From the Troubadour to the "Grand Rhétoriqueur": Lyric Poetry in Medieval France \(12th to 15th Century\)](#)
[French 213. In Search of a Medieval Subject]
[Italian 120b. Dante's Purgatorio and Paradiso](#)
[Italian 123. Semantics of Desire: Love in Dante's Poetry]
[Italian 140. The Human Comedy: the novella from its origins to the Renaissance](#)
[Italian 141. Renaissance Epic](#)
[Italian 230. Petrarca and the Divided Self]
[Romance Studies 79. Romance Languages in Comparative Perspective]
[Romance Studies 82. The Middle Ages at the Movies]
[Spanish 70a. Hispanic Literature: Spanish Literature from the Origins to 1700]
[Spanish 110. Medieval Spanish Poetry] - (New Course)
[Spanish 120. Medieval Spain in the *Poem of the Cid*]
[Spanish 201. The History of the Spanish Language]
[Spanish 204. Love and Power in 14th-Century Castille: Juan Ruiz and Juan Manuel](#)

Slavic Languages and Literatures



[Slavic 192 (formerly Slavic 179). Literature as Institutions: Conference Course]
[Slavic 280r. Slavic Culture: Seminar]
[Slavic 291. Problems in the History of Early Ukrainian Literature]
[Slavic 295. The Language of Medieval Novgorod: Seminar]

Middle East Program

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Middle Eastern Studies

Steven C. Caton, Professor of Contemporary Arab Studies (*Chair*)
Leila N. Ahmed, Victor S. Thomas Professor of Divinity (*Divinity School*)
Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures
Sugata Bose, Gardiner Professor of Oceanic History and Affairs
Marwa S. Elshakry, Assistant Professor of the History of Science
Mary-Jo Del Vecchio Good, Professor of Social Medicine (*Medical School*)
William E. Granara, Professor of the Practice of Arabic on the Gordon Gray Endowment
Engseng Ho, Frederick S. Danzinger Associate Professor of Anthropology and of Social Studies
Miri Kubovy, Professor of the Practice of Near Eastern Languages and Civilizations
E. Roger Owen, A. J. Meyer Professor of Middle East History
David J. Roxburgh, Professor of History of Art and Architecture
A. Hashim Sarkis, Aga Khan Professor of Landscape Architecture and Urbanism in Muslim Societies (*Design School*)

The Center for Middle Eastern Studies was established for the purpose of integrating and reinforcing instruction and research in the languages, literatures, history, economics, and cultures of North Africa, the Middle East, and Islamic Central and South Asia, with the emphasis on the modern period. The Committee on Middle Eastern Studies is the degree committee that administers programs offered through the Center. To achieve its goals, the Center cooperates with departments within the Faculty of Arts and Sciences and with other faculties that have Middle Eastern interests, other regional studies centers, and various libraries and museums that hold collections related to Middle Eastern and Islamic studies. The Center's aim is to offer a comprehensive program to provide integrated training for those planning careers in education, government service, or private industry, and to support research on the area.

The following degree programs are offered through the Center: Regional Studies Program—Middle East (AM): The program for this degree requires two years of study, leading to an AM. It seeks to give the student both a broad background and a special competence in selected fields of Middle Eastern studies. Each student's needs and interests, as well as previous experience and



qualifications, are taken into account in planning his or her course of study. This program is comparable to other regional studies programs, such as those for Russia and East Asia.

Joint Programs for the PhD: The Faculty of Arts and Sciences has approved joint programs with other faculty departments for the degree of PhD in Middle Eastern studies and in the fields of anthropology, history, or history of art and architecture. A candidate for a joint PhD degree is usually expected to have completed an AM program in Middle Eastern studies or another relevant field, at Harvard or elsewhere, prior to admission as a doctoral candidate. Joint or concurrent degrees with other departments and faculties are possible on an *ad hoc* basis.

Languages: Competency in one or more of the languages of the Middle East is critical to advanced studies in this field. The Master's program requires all students to attain a reading and speaking competence, at least at the intermediate level, in one of the major modern Middle Eastern languages: Arabic, Hebrew, Persian, or Turkish. Students who already have an adequate knowledge of one such language, and native speakers, will be required to study a second language. The PhD programs vary in their language requirements. In most cases, students must attain a thorough knowledge of a modern Middle Eastern language (see above), as well as a reading knowledge of one of the European languages: German, French, Italian, or Russian. In the History and Middle Eastern Studies Program, a written exam will be required in the language of the candidate's primary research, covering both primary and secondary sources in that language. As in the Master's program, native speakers of Middle Eastern languages will be required to attain competence in a second Middle Eastern language. (For specific details on language requirements and language proficiency examinations, see the degree supplement *Degree Programs in Middle Eastern Studies*. Please note that the departments involved in the joint PhD programs, as well as the Committee on Middle Eastern Studies, at times revise their language requirement policies. Students are expected to keep in touch with their advisors and relevant language instructors at all times so they may be informed of possible changes to those requirements.)

Courses: The Center for Middle Eastern Studies publishes a list of Middle Eastern-related courses on its website. Middle Eastern-related courses are offered in the Department of Near Eastern Languages and Civilizations—courses in Akkadian, Ancient Near East, Arabic, Aramaic, Armenian, Armenian Studies, Early Iranian Civilizations, Ethiopic, Hebrew (Classical and Modern), Hebrew Literature and History, Iranian, Islamic Civilizations, Near Eastern Civilizations, Persian, Postbiblical Jewish Studies, Semitic Philology, Sumerian, and Turkish; and the Department of History—courses in Byzantine, Islamic, Judaic, and modern Middle Eastern history. Other appropriate courses are offered in the departments of Anthropology, Classics, Comparative Literature, the Core Curriculum, Fine Arts, Government, Linguistics, Music, Psychology, Sanskrit and Indian Studies, Slavic Languages and Literatures, Sociology, and the Study of Religion. Middle Eastern-related courses are also taught in the graduate schools of Business, Design, Divinity, Law, and Government. For more information about these programs, please refer to the degree supplement, *Degree Programs in Middle Eastern Studies*.



Mind, Brain, and Behavior

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Mind, Brain, and Behavior

John E. Dowling, Gordon and Llura Gund Professor of Neurosciences (*FAS*) and Professor of Ophthalmology (*Medical School*) (*Co-Chair*)
Richard W. Wrangham, Harvard College Professor and Ruth Moore Professor of Biological Anthropology (*Co-Chair*) (*on leave 2006-07*)
Marc D. Hauser, Harvard College Professor and Professor of Psychology (*Acting Co-Chair*)
John A. Assad, Associate Professor of Neurobiology (*Medical School*)
Mahzarin R. Banaji, Richard Clarke Cabot Professor of Social Ethics
Cedric Boeckx, Assistant Professor of Linguistics (*on leave fall term*)
Randy L. Buckner, Professor of Psychology
Verne S. Caviness, Jr., Joseph P. and Rose F. Kennedy Professor of Child Neurology and Mental Retardation (*Medical School*)
Gennaro Chierchia, Haas Foundations Professor of Linguistics
Peter T. Ellison, John Cowles Professor of Anthropology
Florian Engert, Associate Professor of Molecular and Cellular Biology
Joshua Fineberg, John L. Loeb Associate Professor of the Humanities
Kurt W. Fischer, Charles Bigelow Professor of Education and Human Development (*Education School*)
Albert M. Galaburda, Emily Fisher Landau Professor of Neurology (*Medical School*)
Howard E. Gardner, John H. and Elisabeth A. Hobbs Professor of Cognition and Education (*Education School*)
Peter Godfrey-Smith, Professor of Philosophy
David A. Haig, George Putnam Professor of Organismic and Evolutionary Biology
Anne Harrington, Harvard College Professor and Professor of the History of Science
Sean D. Kelly, Professor of Philosophy
Cheryl D. Knott, Associate Professor of Anthropology
Edward A. Kravitz, George Packer Berry Professor of Neurobiology (*Medical School*)
David I. Laibson, Professor of Economics (*on leave fall term*)
Jeff Lichtman, Professor of Molecular and Cellular Biology
Richard J. McNally, Professor of Psychology (*on leave spring term*)
Avrom J. Pfeffer, Associate Professor of Computer Science on the Gordon McKay Endowment
Naomi E. Pierce, Sidney A. and John H. Hessel Professor of Biology and Curator of Lepidoptera
Steven Pinker, Johnstone Family Professor of Psychology (*on leave fall term*)
Maryellen Ruvolo, Professor of Anthropology
Joshua R. Sanes, Professor of Molecular and Cellular Biology
Susanna Siegel, Professor of Philosophy
Elizabeth S. Spelke, Marshall L. Berkman Professor of Psychology (*on leave 2006-07*)
Garrett B. Stanley, Associate Professor of Biomedical Engineering on the Gordon McKay



Endowment

Robert A. Stickgold, Associate Professor of Psychiatry (*Medical School*)

Mark Tramo, Assistant Professor of Neurology (*Medical School*)

The Committee on Mind, Brain, and Behavior is an interdisciplinary group of scholars appointed to coordinate the teaching of neuroscience and related fields among Harvard's departments. Working closely with the University's Mind/Brain/Behavior Interfaculty Initiative, the Committee is designed to advance knowledge of neuroscience at multiple levels of analysis ranging from the molecular events within individual neurons to the behavior of organisms (including humans) in a wider environmental and social context. The Committee coordinates the wide and varied course offerings that address methods, findings, and theory in neuroscience; helps students learn of opportunities within the various fields allied with neuroscience; and promotes interdisciplinary interaction among members of these fields.

For undergraduate students wishing to specialize in an area related to the neurosciences, specialized tracks are currently available in eight concentrations: Anthropology (Biological Anthropology), Biology, Computer Science, History and Science, Human Evolutionary Biology, Linguistics, Philosophy, and Psychology.

Foundation courses are required or recommended in all tracks so that students in these concentrations can interact. The foundation courses include Science B-29, Evolution of Human Nature (first year); MCB 80, Neurobiology of Behavior (sophomore year); and one of several designated interdisciplinary seminars listed below (junior year). The program, which results in a Certificate in Mind/Brain/Behavior, also hosts a junior symposium and senior thesis workshops. For the requirements of each track, consult the *Handbook for Students* or <http://mbb.harvard.edu/Information—Undergraduates.html>.

The courses listed below address various facets of neuroscience or topics closely related to the study of mind, brain, and behavior. Complete descriptions may be found under the various departments.

Foundation Courses

[MCB 80 \(formerly Biological Sciences 80\). Neurobiology of Behavior](#)
[Science B-29. Evolution of Human Nature](#)

Interdisciplinary Seminars

[*Biology 95hfc. From Vision to Action: Neural Circuits Underlying Behavior](#)
[*Biology 95hfd. Problem Solving in Neuroscience: An Interactive Case-Based Online Network \(ICON\)](#)
[*Biology 95hfi. Eye Can't Hear You: Blindness and Deafness in Society](#)
[*Biology 95hfj. The Sleeping Brain](#)
[*Biology 95hfk. Mechanisms of Neurological Disease](#)
[*History of Science 90m. Medicine and Deviance](#)
[History of Science 174. Critical Experiments in the Human Sciences - \(New Course\)](#)



[Human Evolutionary Biology 1312. Human Sexuality: Research and Presentation Seminar](#)
[- \(New Course\)](#)

[Human Evolutionary Biology 1355. Darwin Seminar: Evolution and Religion] - (New Course)

[Human Evolutionary Biology 1365 \(formerly Anthropology 1365\). Sex Differences in Humans: Research Seminar](#)

[Music 235r. Cognitive Theories of Music - \(New Course\)](#)

[*Philosophy 158. History of Perceptual Theory: Proseminar - \(New Course\)](#)

[*Psychology 987b. Music and the Brain](#)

[*Psychology 987c. Multidisciplinary Perspectives on Drug Policy]

[*Psychology 987d. Image, Space, and Self - \(New Course\)](#)

[*Psychology 987f. The Biology of Conscious States: Waking, Sleeping, and Dreaming](#)

[*Psychology 987g. Theories of Violence](#)

[*Psychology 987h. Addiction, Behavior, and Choice](#)

[*Psychology 987i. The Science of Happiness](#)

[*Psychology 2002. Psychology and Taboo: Advanced Topics - \(New Course\)](#)

Additional Courses

[Anthropology 1640 \(formerly Anthropology 104\). Language and Culture](#)

[Anthropology 2430 (formerly Anthropology 229). Behavioral Biology Seminar]

[Anthropology 2660 \(formerly Anthropology 221\). The Anthropology of Knowledge: Seminar](#)

[Anthropology 2704. Linguistic Pragmatics and Cultural Analysis in Anthropology](#)

[Anthropology 2740 (formerly Anthropology 245). Culture and Mental Illness]

[Anthropology 2750 (formerly Anthropology 250). Local Biologies: Perspectives on the Interaction Between Culture and Biology]

[*BCMP 213. Behavioral Pharmacology](#)

[BCMP 230. Principles and Practice of Drug Development](#)

[*Comparative Literature 283. Language War: Seminar]

[Computer Science 181. Intelligent Machines: Perception, Learning, and Uncertainty](#)

[Computer Science 182. Intelligent Machines: Reasoning, Actions, and Plans]

[Computer Science 187. Computational Linguistics]

[Computer Science 228. Computational Learning Theory](#)

[Computer Science 266. Biologically-Inspired Distributed and Multi-Agent Systems](#)

[Computer Science 281r. Artificial Intelligence: Reasoning and Planning Systems](#)

[Computer Science 282. Probabilistic Reasoning]

[Computer Science 283. Computer Vision]

[Computer Science 285. Multi-agent Planning Systems]

[Computer Science 287r. Natural Language Processing]

[Computer Science 288. Computational Models of Discourse]

[Economics 1030. Psychology and Economics](#)

[Economics 1035. Policy Applications of Psychology and Economics](#)

[Economics 2001. The Behavioral & Experimental Economics Workshop](#)

[Economics 2030. Psychology and Economics]

[Economics 2059. Decision Theory](#)



[Economics 2728. Behavioral Finance](#)
[Engineering Sciences 145. Physiological Systems Analysis](#)
[Engineering Sciences 148. Neural Signal Processing]
[Engineering Sciences 157. Speech and Audio Processing](#)
[Engineering Sciences 217. Computational Neuroscience](#)
[Engineering Sciences 218. Advanced Neural Signal Processing]
[*Freshman Seminar 21j. Human Evolution](#)
[*Freshman Seminar 21o. The Neurophysiology of Visual Perception](#)
[*Freshman Seminar 25w. Responsibility, the Brain, and Behavior](#)
[*Freshman Seminar 25z. Stress and Disease \(Biobehavioral Aspects of Health and Disease\)](#)
[*Freshman Seminar 26m. Human Development: Early Experience and Developmental Programming - \(New Course\)](#)
[*Freshman Seminar 26g. Testosterone and Human Behavior - \(New Course\)](#)
[*Freshman Seminar 31j. Skepticism and Knowledge - \(New Course\)](#)
[*Freshman Seminar 49n. Measurements of the Mind: The Creation and Critique of the Psychological Test - \(New Course\)](#)
[German 148. Freud](#)
[German 220. The Five Senses in the 18th Century: Seminar - \(New Course\)](#)
[Government 1093. Ethics, Biotechnology, and the Future of Human Nature]
[History 1444. John Locke: Conference Course]
[History 1454. French Social Thought from Rousseau to Foucault and Beyond]
[History 1470. Modern European Intellectual History Subject and Structure, Nietzsche to Postmodernism](#)
[History 1472. Epistemic Regimes: Conference Course](#)
[History 1666. The World of William James: Conference Course]
[History 1923. Violence, Substances and Mental Illness: African Perspectives: Conference Course - \(New Course\)](#)
[*History of Science 171. Narrative and Neurology]
[History of Science 175. Madness and Medicine: Themes in the History of Psychiatry]
[History of Science 176. Evolution and Human Nature: Conference Course]
[History of Science 177. Stories Under the Skin: The Mind-Body Connection in Modern Medicine](#)
[History of Science 273. Freud and the American Academy]
[Human Evolutionary Biology 1310 \(formerly Anthropology 1310\). Behavioral and Reproductive Endocrinology](#)
[Human Evolutionary Biology 1330 \(formerly Anthropology 1330\). Primate Social Behavior](#)
[Human Evolutionary Biology 1350. Evolutionary Human Physiology] - (New Course)
[Human Evolutionary Biology 1360 (formerly Anthropology 1360). Human Evolution]
[Human Evolutionary Biology 1368. Evolution of Human Cognition] - (New Course)
[Human Evolutionary Biology 1380 \(formerly Anthropology 1380\). The Behavioral Biology of Women](#)
[Human Evolutionary Biology 1415 \(formerly Anthropology 1415\). Primate Evolutionary Ecology: Research Seminar](#)
[*Human Evolutionary Biology 1418 \(formerly *Anthropology 1418\). Endocrinology and Behavior: Research Seminar](#)
[Human Evolutionary Biology 1425 (formerly Anthropology 1425). Primate and Human



Nutrition: Research Seminar]

***Human Evolutionary Biology 1463 (formerly *Anthropology 1463). Molecular Evolution of the Primates**

[Human Evolutionary Biology 1560r (formerly Anthropology 1560r). Biology of Aggression]

[Linguistics 81. Language and Gender]

[Linguistics 88. Language and Cognition]

Linguistics 110. Introduction to Linguistics

Linguistics 112a. Introduction to Syntactic Theory

Linguistics 112b. Intermediate Syntax

[Linguistics 113. Acoustic and Articulatory Phonetics]

[Linguistics 114. Introduction to Morphology]

Linguistics 115. Introduction to Phonetics and Phonology

Linguistics 116a (formerly Linguistics 116). Semantics

Linguistics 116b. Intermediate Semantics - (New Course)

Linguistics 130. Psycholinguistics

[Linguistics 142. Bilingual Grammar]

Linguistics 146. Syntax and Processing - (New Course)

Linguistics 188r (formerly Linguistics 188). Bilingualism

Literature 155 (formerly Literature 110). Furor Poeticus: Madness, Inspiration, Genius

[Literature and Arts A-35. Tragic Drama and Human Conflict]

[MCB 60 (formerly Biological Sciences 60). Ethics, Biotechnology, and the Future of Human Nature]

MCB 105. Systems Neuroscience

MCB 115. Cellular Basis of Neuronal Function

MCB 117. Experimental Neuroscience

***MCB 129. Molecular Genetics of Neural Development and Behavior**

MCB 131. Computational Neuroscience

MCB 141. Molecular and Developmental Neurobiology

MCB 186. Circadian Biology: From Cellular Oscillators to Sleep Regulation

Microbiology 213. Social Issues in Biology

Music 230r (formerly Music 230ar). Topics in Music Theory I

Neurobiology 200. Introduction to Neurobiology

Neurobiology 204. Neurophysiology of Central Circuits

Neurobiology 207. Developmental Neurobiology

[Neurobiology 209. Neurobiology of Disease]

***Neurobiology 220. Cellular Neurophysiology**

***Neurobiology 221. Molecular Neurobiology**

OEB 53 (formerly Biological Sciences 53). Evolutionary Biology

OEB 57 (formerly Biological Sciences 57). Animal Behavior

[OEB 125. Molecular Ecology and Evolution]

OEB 174r. Topics in Behavioral Ecology

***Pathology 205. Molecular Biology of the Auditory System**

Philosophy 3. Introduction to the Problems of Philosophy

Philosophy 8. Introduction to Early Modern Philosophy

[Philosophy 102. Aristotle]



- [Philosophy 129. Kant's Critique of Pure Reason](#)
- [Philosophy 144. Logic and Philosophy](#)
- [Philosophy 147. Philosophy of Language](#)
- [Philosophy 149z. Philosophy of Science](#)
- [Philosophy 152. Philosophy of Biology - \(New Course\)](#)
- [Philosophy 155. Carnap and Quine - \(New Course\)](#)
- [Philosophy 156. Philosophy of Mind](#)
- [*Philosophy 158. History of Perceptual Theory: Proseminar - \(New Course\)](#)
- [Philosophy 159. Epistemology](#)
- [*Philosophy 249z. Foundations of Evolutionary Theory: Seminar - \(New Course\)](#)
- [*Philosophy 253. Perceptual Experience: Seminar - \(New Course\)](#)
- [\[Physics 140. Introduction to Biophysics\]](#)
- [Physics 141. The Physics of Sensory Systems in Biology - \(New Course\)](#)
- [Psychology 1. Introduction to Psychology](#)
- [Psychology 13. Cognitive Psychology](#)
- [Psychology 15. Social Psychology](#)
- [Psychology 16. Developmental Psychology](#)
- [Psychology 18. Abnormal Psychology](#)
- [\[*Psychology 950. Psychology Live!\]](#)
- [*Psychology 970. Contemporary Issues in Psychology: Intensive Cross-level Analyses](#)
- [*Psychology 971. Contemporary Issues in Psychology: Intensive Cross-level Analyses](#)
- [*Psychology 980ee. Psychology of Prejudice and Stereotyping](#)
- [*Psychology 980ll. Developmental Psychopathology](#)
- [*Psychology 980pp. Memory Across the Lifespan - \(New Course\)](#)
- [*Psychology 980qq. Psychology of Race: Theories, Politics, and Controversy - \(New Course\)](#)
- [*Psychology 980v. The Insanity Defense](#)
- [*Psychology 1002. Morality and Taboo - \(New Course\)](#)
- [\[Psychology 1104. Psychology of Economic Decision Making\]](#)
- [*Psychology 1151. Cognitive Evolution: Theory and Practice - \(New Course\)](#)
- [*Psychology 1152r. Cognitive Evolution Lab](#)
- [Psychology 1201. Your Brain on Drugs: Psychopharmacology](#)
- [Psychology 1205. Brain, Drugs, and Society: From Neurobiology to Ethics](#)
- [Psychology 1301. Cognitive Neuroscience - \(New Course\)](#)
- [\[Psychology 1302. Psychology of Language\]](#)
- [\[Psychology 1304. Cognitive Neuropsychology\]](#)
- [*Psychology 1306. Language and Thought - \(New Course\)](#)
- [*Psychology 1352. Foundations of Cognitive Neuroscience Research](#)
- [*Psychology 1353. Avian Cognition - \(New Course\)](#)
- [\[*Psychology 1356r. Laboratory in Language Research\]](#)
- [Psychology 1430. Human Memory and Amnesia - \(New Course\)](#)
- [*Psychology 1451. Laboratory in Visual Perception - \(New Course\)](#)
- [\[*Psychology 1471. Psychology of Music: Concentration Seminar\]](#)
- [\[*Psychology 1472. Perceiving People: Concentration Seminar\]](#)
- [\[Psychology 1501. Social Psychology of Organizations\]](#)
- [Psychology 1505. Social Cognition - \(New Course\)](#)
- [*Psychology 1506. Social Neuroscience - \(New Course\)](#)



[Psychology 1509. Law and Mind]
[*Psychology 1551. Mind Perception](#)
[*Psychology 1553. Positive Intergroup Relations]
[*Psychology 1557. Self and Identity: Seminar](#)
[*Psychology 1565. Conscious Will]
[*Psychology 1572. Stress and Health: Concentration Seminar]
[*Psychology 1602. Developmental Disorders as a Window on Cognitive Development - \(New Course\)](#)
[Psychology 1603. Adolescent Development](#)
[Psychology 1607. Cognitive Development, Education, and the Brain](#)
[*Psychology 1652r. Laboratory in Early Cognitive Development](#)
[*Psychology 1655. Conceptual Development: Undergraduate Laboratory Course](#)
[*Psychology 1659. Social and Emotional Development: Seminar](#)
[Psychology 1671 (formerly Psychology 1606). Language Development: Concentration Seminar]
[Psychology 1701. Personality Psychology]
[Psychology 1702. Emotion - \(New Course\)](#)
[Psychology 1703. Human Sexuality]
[Psychology 1705. Psychology of Sex and Gender](#)
[Psychology 1706. Human Motivation - \(New Course\)](#)
[Psychology 1801. Anxiety Disorders](#)
[Psychology 1808. Neurobiological Aspects of Psychopathology]
[*Psychology 1851. Clinical Psychology: Science and Practice]
[*Psychology 1853. Self-Destructive Behaviors]
[Psychology 1854. Schizophrenia: Seminar]
[*Psychology 1855. Mood Disorders](#)
[*Psychology 1857 (formerly *Psychology 1803). Eating Disorders: Seminar]
[*Psychology 1861. Developmental Psychopathology: Seminar]
[*Psychology 2050. History of Psychology: Seminar]
[Psychology 2110. Emotional Development: Biology, Relationships, Culture - \(New Course\)](#)
[*Psychology 2170. Developmental Proseminar]
[*Psychology 2190. Topics in Language Acquisition](#)
[*Psychology 2270. Research in Language Acquisition]
[*Psychology 2280. Language and Human Nature]
[*Psychology 2300r. Perception, Cognition, and Representation: Seminar](#)
[*Psychology 2320. Applying fMRI to Cognitive Research](#)
[*Psychology 2330r. Cognitive Psychology and Neuroscience: Research Seminar](#)
[*Psychology 2335r. Language: Research Seminar]
[*Psychology 2345. Topics in Language Research: Linguistic, Cognitive, and Neural Aspects]
[*Psychology 2350. Current Topics in Cognitive Neuroscience Research - \(New Course\)](#)
[*Psychology 2351. Construction and Function of Memory: Seminar](#)
[*Psychology 2355r. Laboratory in Cognitive Neuroscience: Seminar](#)
[*Psychology 2358. Memory: Research Seminar](#)
[*Psychology 2445. Psychological Treatment Research](#)
[*Psychology 2450. Affective and Social Neuroscience](#)



[Psychology 2461r. Laboratory for Clinical and Developmental Research](#)
[*Psychology 2480. Human Neuropsychology/Neuroanatomy: Seminar](#)
[Psychology 2482. Neuropsychological Assessment]
[*Psychology 2500. Advanced Social Psychology](#)
[*Psychology 2530r. Mental Control: Research Seminar](#)
[*Psychology 2552. Moral Cognition - \(New Course\)](#)
[*Psychology 2553r. Decision Making and Negotiation: Research Seminar](#)
[*Psychology 2580r. Affective Forecasting: Research Seminar](#)
[Psychology 2610r. Social Psychophysiology: Research Seminar](#)
[*Psychology 2640r. The Understand Seminar](#)
[*Psychology 2650. Behavioral Approaches to Decision Making and Negotiation](#)
[*Psychology 2660r. Research Seminar in Mindfulness Theory](#)
[*Psychology 2670a \(formerly *Psychology 1571a\). Decision Making I](#)
[*Psychology 2670b \(formerly *Psychology 1571b\). Decision Making II](#)
[*Psychology 3260 \(formerly *Psychology 2360\). Conceptual Development: Research Seminar](#)
[Quantitative Reasoning 22. Deductive Logic](#)
[Science B-27. Human Evolution](#)
[Science B-44. Vision and Brain](#)
[Science B-60. Origins of Knowledge]
[Science B-62. The Human Mind]
[Social Analysis 28. Culture, Illness, and Healing: An Introduction to Medical Anthropology](#)
[Social Analysis 34. Knowledge of Language](#)
[Social Analysis 43. Psychological Trauma]
[Systems Biology 200 \(formerly Systems Biology 101\). A Systems Approach to Biology](#)

Molecular and Cellular Biology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Molecular and Cellular Biology

Andrew W. Murray, Herchel Smith Professor of Molecular Genetics (*Chair*)
Howard C. Berg, Herchel Smith Professor of Physics and Professor of Molecular and Cellular Biology
Victoria M. D'Souza, Assistant Professor of Molecular and Cellular Biology
John E. Dowling, Gordon and Llura Gund Professor of Neurosciences (*FAS*) and Professor of Ophthalmology (*Medical School*)
Catherine Dulac, Higgins Professor of Molecular and Cellular Biology
Kevin C. Eggan, Assistant Professor of Molecular and Cellular Biology



Florian Engert, Associate Professor of Molecular and Cellular Biology
 Raymond L. Erikson, American Cancer Society Professor of Cellular and Developmental Biology
 William D. Fixsen, Senior Lecturer on Molecular and Cellular Biology
 Nicole J. Francis, Assistant Professor of Molecular and Cellular Biology
 Rachele Gaudet, Co-Head Tutor in Biochemical Sciences, Associate Professor of Molecular and Cellular Biology (*Co-Head Tutor, Biochemical Sciences*)
 William M. Gelbart, Professor of Molecular and Cellular Biology
 Guido Guidotti, Higgins Professor of Biochemistry
 J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences
 Craig P. Hunter, Professor of Molecular and Cellular Biology
 David Jeruzalmi, Associate Professor of Molecular and Cellular Biology
 Nancy Kleckner, Herchel Smith Professor of Molecular Biology
 Jeremy R. Knowles, Harvard University Distinguished Service Professor and Amory Houghton Professor of Chemistry and Biochemistry
 Samuel M. Kunes, Professor of Molecular and Cellular Biology
 Jeff Lichtman, Professor of Molecular and Cellular Biology
 Richard M. Losick, Maria Moors Cabot Professor of Biology (*Co-Head Tutor, Biochemical Sciences; Head Tutor, Molecular and Cellular Biology*)
 Robert A. Lue, Professor of the Practice of Molecular and Cellular Biology (*Director of Life Sciences Education*)
 Tom Maniatis, Thomas H. Lee Professor of Molecular and Cellular Biology
 Andrew P. McMahon, Frank B. Baird, Jr. Professor of Science
 Markus Meister, Jeff C. Tarr Professor of Molecular and Cellular Biology
 Douglas A. Melton, Thomas Dudley Cabot Professor of the Natural Sciences
 Matthew Meselson, Thomas Dudley Cabot Professor of the Natural Sciences (*on leave fall term*)
 Matthew Michael, Associate Professor of Molecular and Cellular Biology
 Venkatesh N. Murthy, Morris Kahn Associate Professor of Molecular and Cellular Biology, Tutor in Biochemical Sciences, Professor of Molecular and Cellular Biology
 David R. Nelson, Arthur K. Solomon Professor of Biophysics and Professor of Physics and Applied Physics
 Axel Nohturfft, Associate Professor of Molecular and Cellular Biology
 Erin K. O'Shea, Professor of Molecular and Cellular Biology
 Hidde Ploegh, Visiting Professor of Molecular and Cellular Biology (*MIT*)
 Joshua R. Sanes, Professor of Molecular and Cellular Biology
 Vicki L. Sato, Professor of the Practice of Molecular and Cellular Biology (*FAS*) and Professor of Management Practice (*Business School*)
 Alexander F. Schier, Professor of Molecular and Cellular Biology
 Haim I. Sompolinsky, Visiting Professor of Molecular and Cellular Biology (*Hebrew University*)
 Jack L. Strominger, Higgins Professor of Biochemistry
 Alain Viel, Senior Lecturer on Molecular and Cellular Biology

Associate Members of the Department of Molecular and Cellular Biology



Stephen C. Blacklow, Associate Professor of Pathology (*Medical School*)
Stuart L. Schreiber, Morris Loeb Professor of Chemistry (*on leave 2006-07*)
Gregory L. Verdine, Erving Professor of Chemistry

Other Faculty Offering Instruction in Molecular and Cellular Biology

Daniel Branton, Higgins Professor of Biology, *Emeritus*
Charles A. Czeisler, Frank Baldino, Jr., PhD, Professor of Sleep Medicine (*Medical School*)
Mark C. Fishman, Senior Lecturer on Medicine (*Medical School*)
Walter Gilbert, Carl M. Loeb University Professor, *Emeritus*
Michael E. Greenberg, Professor of Neurology (*Medical School*)
David A. Haig, George Putnam Professor of Organismic and Evolutionary Biology (*Head Tutor, Biology*)
Aravinthan D. T. Samuel, Associate Professor of Physics
Michael J. Sandel, Anne T. and Robert M. Bass Professor of Government (*on leave 2006-07*)

MCB concentrators participate in the Tutorial program beginning at the time of declaration. The Board of Tutors in Biochemical Sciences, which was established in 1926, runs the Tutorial program for the Molecular and Cellular Biology concentration and the Chemical and Physical Biology concentration. The MCB concentration is primarily concerned with the study of biological molecules and their interactions in the context of cells and tissues. For more information about Molecular and Cellular Biology courses and the Life Sciences concentrations, visit www.lifescience.fas.harvard.edu/concentrations/.

Primarily for Undergraduates

MCB 52 (formerly Biological Sciences 52). Molecular Biology

Catalog Number: 1938

Richard M. Losick

Half course (fall term). M., W., F., at 10, and one laboratory/discussion session weekly. EXAM GROUP: 3

An integrated and quantitative introduction to the basic principles and methods of molecular biology. Topics covered: the biochemistry, structure, and molecular biology of nucleic acids and proteins; the Central Dogma; DNA, RNA, and protein synthesis; mutation and repair; recombination and transposition; the genetic code; the turning on and off of genes; RNA, ribozymes and splicing; development.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science B.
Prerequisite: Life Sciences 1a and Chemistry 17 or Chemistry 20. Life Sciences 1a or Chemistry 17 may be taken concurrently.

MCB 54 (formerly Biological Sciences 54). Cell Biology

Catalog Number: 0801

Robert A. Lue and Alexander F. Schier

Half course (spring term). M., W., F., at 10, and one laboratory/discussion session weekly. EXAM GROUP: 3

An integrated introduction to the structure, function, and interactions of cells, with an emphasis



on their molecular composition and dynamics. Topics covered include: membrane structure and transport; receptors and channels; protein targeting; cytoskeleton; cell cycle control; signal transduction; programmed cell death; cell adhesion, and differentiation.

Note: Laboratory and discussion sessions focus on problem-solving and evaluation of data. A series of linked laboratory exercises provides exposure to several techniques commonly used in cell biology. This course, when taken for a letter grade, meets the Core area requirement for Science B.

Prerequisite: Life Sciences 1a; Life Sciences 1b recommended.

MCB 56 (formerly Biological Sciences 56). Biochemistry and Physical Properties of Macromolecules

Catalog Number: 5424

Guido Guidotti

Half course (spring term). M., W., F., at 9, and a weekly section to be arranged. EXAM GROUP: 2

An introduction to the structure and function of macromolecules from the perspective of their physical properties. Topics include protein and nucleic acid structure; enzyme kinetics and mechanisms, with examples from intermediary metabolism; spectroscopic analysis; chemical equilibria and thermodynamic properties; behavior of macromolecules in solution, including random walks; macromolecular mechanics.

Prerequisite: MCB 52 and MCB 54 are recommended but not required; Chemistry 10 or equivalent; Chemistry 27 or Chemistry 30; Physics 11 (may be taken concurrently); Math 21a; Math 21b is recommended but not required.

[MCB 60 (formerly Biological Sciences 60). Ethics, Biotechnology, and the Future of Human Nature]

Catalog Number: 2164

Douglas A. Melton and Michael J. Sandel

Half course (spring term). Hours to be arranged.

Explores the moral, political, and scientific implications of new developments in biotechnology. Does science give us the power to alter human nature? If so, how should we exercise this power? The course examines the science and ethics of stem cell research, human cloning, sex selection, genetic engineering, eugenics, genetic discrimination, and human-animal hybrids. Readings will be drawn from literature in the areas of biology, philosophy, and public policy.

Note: Expected to be given in 2007–08. May not be taken concurrently with Gov 1093. May not be taken for credit if Gov 1093 has already been taken. The course is open to both science and non-science concentrators.

MCB 80 (formerly Biological Sciences 80). Neurobiology of Behavior

Catalog Number: 6052

Joshua R. Sanes and Jeff Lichtman

Half course (spring term). Tu., Th., 1–2:30 and one 90-minute section to be arranged. EXAM GROUP: 15, 16

An introduction to the ways in which the brain controls mental activities. The course covers the cells and signals that process and transmit information, and the ways in which neurons form circuits that change with experience. Topics include the neurobiology of perception, learning,



memory, language, emotion, and mental illness.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science B. The course is open to students with little formal training in biology.

Molecular and Cellular Biology Supervised Reading and Research Courses

***MCB 91r. Introduction to Research - (New Course)**

Catalog Number: 0282

Richard M. Losick and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Laboratory research in topics related to the Molecular and Cellular Biology concentration under the direction of, or approved by, members of the Board of Tutors. A paper must be submitted to the laboratory sponsor and to the Tutorial Office for review by the Course Director and members of the Board of Tutors.

Note: Limited to Molecular and Cellular Biology concentrators; written permission of both the tutor and laboratory sponsor must be submitted to the Tutorial Office prior to enrolling in the course. This introductory research course is intended to prepare students for MCB 99, and may ordinarily be repeated no more than once.

***MCB 99. Laboratory Research for Honors Thesis - (New Course)**

Catalog Number: 2987

Richard M. Losick and members of the Department

Full course (indivisible). Hours to be arranged.

For honors candidates writing a thesis in Molecular and Cellular Biology. Indivisible for students enrolling in the fall term. Students intending to enroll in the fall are required to submit a written proposal to the Head Tutor. Students may enter the course at midyear only with the permission of the Head Tutor. The thesis proposal must be approved by the Head Tutor prior to enrolling in MCB 99.

Biochemical Sciences Supervised Reading and Research Courses

***Biochemical Sciences 91r. Introduction to Research**

Catalog Number: 6083

Richard M. Losick and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Laboratory research in topics related to the Biochemical Sciences concentration under the direction of, or approved by, members of the Board of Tutors. A paper must be submitted to the laboratory sponsor and to the Tutorial Office for review by the Course Director and members of the Board of Tutors.

Note: Limited to Biochemical Sciences concentrators; written permission of both the tutor and laboratory sponsor must be submitted to the Tutorial Office prior to enrolling in the course. This introductory research course is intended to prepare students for Biochemical Sciences 99, and may ordinarily be repeated no more than once.

***Biochemical Sciences 99. Laboratory Research for Honors Thesis**

Catalog Number: 6670



Richard M. Losick and members of the Department

Full course (indivisible). Hours to be arranged.

For honors candidates writing a thesis in Biochemical Sciences. Indivisible for students enrolling in the fall term. Students intending to enroll in the fall are required to submit a written proposal to the Head Tutor. Students may enter the course at midyear only with the permission of the Head Tutor. The thesis proposal must be approved by the Head Tutor prior to enrolling in Biochemical Sciences 99.

Biology Tutorials

The Biology 95hf Program is directed by the Head Tutor in Biology, Professor David A. Haig. However, the tutorial seminars are taught by medical school faculty and others. Students should feel free to get in touch with the tutorial instructors directly—their names, phone numbers and e-mail addresses, as well as tutorial seminar course descriptions, are posted on the Biology website: <http://biology.harvard.edu>. Please consult the Biology website for dates and times of first meetings.

***Biology 95hfa. Proteomic and Cellular Network Engineering: From Signal Processing to Stochastic Models**

Catalog Number: 2052

David A. Haig and members of the Department

Half course (throughout the year). Fall: Tu., 6:30–8 p.m.; Spring: Tu., at 6. EXAM GROUP: Spring: 18

Interdisciplinary and hands-on approach to proteomics and protein networks with an engineering design perspective. The class covers genome-scale interaction networks, synthetic biology, scale-free networks, and biotechnology applications. Engineering methods from signal processing, probability theory, network theory, machine learning, and other domains will be introduced with applications in proteomics. New research areas will be explored using current literature and book chapter materials written by instructor. The course will host guest lecturers from industry and academia.

***Biology 95hfb. The Science of Exercise and Human Performance**

Catalog Number: 2607

David A. Haig and members of the Department

Half course (throughout the year). Hours to be arranged.

What happens when people exercise and become more fit? What happens when we stop our training programs? This seminar will discuss the scientific evidence and research that describes the physiological changes associated with exercise training. Human performance and the cardiovascular respiratory and muscular systems will be the focus of this seminar.

***Biology 95hfc. From Vision to Action: Neural Circuits Underlying Behavior**

Catalog Number: 2935

David A. Haig and members of the Department

Half course (throughout the year). Hours to be arranged.

To perform even the most basic behaviors, our brains must process a barrage of sensory information and transform it into appropriate movement commands. This course will examine



how activity in neural circuits converts vision into action, exploring a variety of behaviors and modern approaches in model systems from flies to fish to humans.

***Biology 95hfd. Problem Solving in Neuroscience: An Interactive Case-Based Online Network (ICON)**

Catalog Number: 3437

David A. Haig and members of the Department

Half course (throughout the year). Hours to be arranged.

The ICON tutorial facilitates hypothesis-driven decision-making and collaborative team management to enhance the integration of information, and to encourage faculty-student partnerships in the learning of neuroscience. ICON is real-time simulation using online learning modules that permits students to communicate directly with faculty, specialists from different disciplines, and with the “patient” in difficult neuroscience cases. By emphasizing this student-centered process of learning, ICON can yield a new interdisciplinary competency that shapes the way the student thinks.

***Biology 95hfe. Medical and Molecular Virology: Virus Diseases and World Health**

Catalog Number: 4021

David A. Haig and members of the Department

Half course (throughout the year). Hours to be arranged.

This course will introduce undergraduates to viruses that are important to biomedical research and the medical professions. It will deal with specific viruses (touching on the molecular basis of their pathogenesis, their epidemiology, and the clinical diseases they cause). The impact of viruses on global health, and the medical tools used against them, will be addressed. The course is aimed at students wishing to pursue M.D., Ph.D. or M.D./Ph.D. degrees in biological science.

***Biology 95hff. Games Parasites Play: The Cellular and Molecular Biology of Host/Parasite Interactions**

Catalog Number: 5745

David A. Haig and members of the Department

Half course (throughout the year). Hours to be arranged.

This class examines the biology of globally important parasites. Students explore how parasites infect their hosts; modify their environment and cause disease. We consider parasite life history, distribution, form and structure. Topics covered include the molecular mechanisms of infection and immunity, parasite survival strategies, vector biology, drug resistance, vaccines and the economics and public health impact of parasitic disease. Each class centers on interactive discussions and an examination of the primary scientific literature.

***Biology 95hfh. Small Goes Big: RNAi, miRNAs, and the Small RNA Revolution**

Catalog Number: 4969

David A. Haig and members of the Department

Half course (throughout the year). Hours to be arranged.

From RNA interference targeting every gene in the genome to microRNAs controlling cell differentiation to small RNAs directing the formation of heterochromatin, the world of small RNAs is revolutionizing our understanding of biology. We will delve into the literature to



explore how small RNAs were discovered, their diverse roles in biology, research and human health and where this revolution is taking us next.

***Biology 95hfi. Eye Can't Hear You: Blindness and Deafness in Society**

Catalog Number: 9859

David A. Haig and members of the Department

Half course (throughout the year). Hours to be arranged.

This course presents the ear and retina as model systems to investigate neural degeneration and regeneration. We will first examine how the loss of hearing and vision through genetics, aging, and the environment affects the individual and their families. We will then examine different mechanisms by which partial restoration of these senses may occur through the use of stem cells, prosthetics, and other treatments.

***Biology 95hfj. The Sleeping Brain**

Catalog Number: 6361

David A. Haig and members of the Department

Half course (throughout the year). Hours to be arranged.

The average person will sleep more than 20 years in their lifetime. What are the operations of the brain during this altered state of consciousness? In this seminar, we will broadly explore the neuroscience of sleep, including anatomy and physiology, human disease (parasomnias, narcolepsy etc.), animal and computation models of human sleep, and neuroimaging. Behavioral and cognitive neuroscience of sleep will be emphasized. Students will learn to critically appraise scientific literature.

***Biology 95hfk. Mechanisms of Neurological Disease**

Catalog Number: 7431

David A. Haig and members of the Department

Half course (throughout the year). Hours to be arranged.

Advances in molecular and cellular biology have revealed similar basic mechanisms of brain cell death in a wide range of disorders (e.g. Alzheimer's, Parkinson's, stroke etc). These pathways include excitotoxicity, oxidative stress, and apoptosis. This seminar examines (1) the molecular mechanisms of cell death, (2) the evidence that implicates specific pathways in specific disorders, and (3) rational therapeutic targets for disease.

***Biology 95hfl. Talkin' Trash: Protein Degradation and Its Critical Role in the Cell**

Catalog Number: 1649

David A. Haig and members of the Department

Half course (throughout the year). Hours to be arranged.

This class will evaluate eukaryotic protein degradation and recycling in response to nutrient deprivation, in the removal of excess proteins and quality control, and as a "clock" to time key cellular events. We will study protein degradation in the context of human disease, such as cancer and Huntington's. By critically reading primary scientific articles, students will better understand how research is structured, original scientific hypotheses are formed, and appreciate the complexity of protein degradation.



***Biology 95hfm. Immunological Mechanisms of Allergic Disease**

Catalog Number: 9329

David A. Haig and members of the Department

Half course (throughout the year). Hours to be arranged.

The immune response is the body's natural defense for combating infection. Yet sometimes the immune system fails to distinguish between potentially harmful antigens and completely innocuous substances. This interactive, student-directed seminar explores the various facets of unregulated aberrant allergic responses. Students will learn about novel discoveries in the field through examination of the scientific literature and study the roles of various cells and molecules in the development and regulation of allergic diseases.

***Biology 95hfn. From Genotype to Phenotype: How Development Shapes Evolution**

Catalog Number: 8663

David A. Haig and members of the Department

Half course (throughout the year). W., 7–8:30 pm.

Over the last three decades, an increasing number of biologists from a variety of subdisciplines have been working towards reintegrating development into evolutionary biology. In this tutorial we will examine some of the conceptual and experimental work driving this research, delve into its history, and discuss the key components of a theory of phenotypic evolution.

***Biology 95hfo. Invasive Species in the New England Landscape: a Field Course**

Catalog Number: 6292

David A. Haig and members of the Department

Half course (throughout the year). Hours to be arranged.

Invasive plants, animals and pathogens are fundamentally altering ecosystems and wildlife habitat worldwide, including our own historically and ecologically important, aesthetically appealing New England. How and why do these invasions occur and what are the implications? This course exposes students to ecology and conservation biology through examination of the history, spread, biological impact, and conservation issues associated with species invasions. Emphasizes ongoing regional research based at the Harvard Forest and includes three+ field trips.

***Biology 95hfp. Do Stem Cells Cause Cancer? Current Topics in Stem Cell and Cancer Biology**

Catalog Number: 5931

David A. Haig and members of the Department

Half course (throughout the year). Spring: Tu., 7–9 p.m.

Stem cells are essential for normal processes such as tissue development and regeneration, but "cancer stem cells" with abnormal stem cell-like properties may be involved in tumorigenesis. This seminar will explore the biological properties of normal and cancer stem cells in various organ systems through critical analysis of the literature, and address some current controversies in stem cell research.

Biology Supervised Reading and Research Courses



***Biology 91r. Supervised Reading**

Catalog Number: 2817

David A. Haig and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading on topics not covered by regular courses. For Biology concentrators, work may be supervised by faculty in other departments, provided it is co-sponsored by a Biology faculty member. For nonconcentrators, work must be directed by a Biology faculty member. Students must submit a registration request to the Biology Undergraduate Office before enrollment.

Note: Cannot be repeated for concentration credit. Students must take Biology 91r and 99r with different directors.

Prerequisite: Four terms of biology.

***Biology 99r (formerly *Biology 98r, 99ar and 99b). Supervised Research**

Catalog Number: 8616

David A. Haig and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

This course is taken to obtain credit for independent research, including research undertaken for a senior thesis. Work should be directed by a member of MCB, OEB, or an affiliate of the Biology concentration. Other research sponsors must be approved by the Head Tutor and require an MCB or OEB co-sponsor. All students must submit registration materials for Biology 99r at the time of enrollment.

Note: Laboratory safety session required.

For Undergraduates and Graduates

***MCB 100r (formerly *MCB 100). Experimental Molecular and Cellular Biology**

Catalog Number: 2122 Enrollment: Limited to 24.

Alain Viel and members of the Department

Half course (fall term; repeated spring term). Fall: W., 3–5; Spring: F., 1–3. EXAM GROUP: Fall: 8, 9; Spring: 6, 7

A laboratory course that immerses students in a dynamic project-based research environment. Participate in experimental projects directly linked with ongoing faculty research covering a broad range of methodologies in microbiology, molecular and cellular biology, and biochemistry. In a highly collaborative atmosphere, students form a fully-functional research group based on the sharing of ideas and progress reports between projects.

Note: Location of the first meeting will be announced on the course website. Open to freshmen, sophomores, juniors, and seniors, regardless of concentration, and suitable for students either with or without extensive laboratory experience. The course may only be repeated once and the second enrollment must be approved by the instructor.

Prerequisite: Life Sciences 1a or permission of the instructor.

MCB 105. Systems Neuroscience

Catalog Number: 0998

Florian Engert

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13



Activity dependent modulation of neuronal connections will be explored in the context of learning, memory, and development of the nervous system. Special emphasis is placed on conditioning in invertebrates and mammals, processing of information in the mammalian hippocampus and visual system, and the activity dependent development of neural networks in culture and in vivo.

Prerequisite: MCB 80.

MCB 111 (formerly MCB 211). Mathematics in Biology

Catalog Number: 6444

Markus Meister

Half course (fall term). M., W., 10–11:30. EXAM GROUP: 3, 4

Develops the mathematics needed for quantitative understanding of biological phenomena including data analysis, simple models, and framing quantitative questions. Topics include: probability, transforms and linear algebra, and dynamical systems, each motivated by current biological research.

Note: Intended for biology students who do not have strong quantitative backgrounds.

Prerequisite: Mathematics 19 or higher.

MCB 115. Cellular Basis of Neuronal Function

Catalog Number: 8703 Enrollment: Limited to 25.

Venkatesh N. Murthy

Half course (fall term). W., F., 2–3:30. EXAM GROUP: 7, 8

Cellular processes involved in the function of neurons will be explored, with emphasis on biophysical and cell biological approaches. Topics include excitable membranes, intracellular membrane trafficking, cytoskeletal dynamics, synaptic transmission, dendritic integration, and synaptic plasticity.

MCB 117. Experimental Neuroscience

Catalog Number: 3175 Enrollment: Limited to 16.

Markus Meister and members of the Faculty

Half course (fall term). Tu., Th., 2–5. EXAM GROUP: 16, 17

An inquiry-based approach to neuroscience that uses state of the art technology to study the development and function of the nervous system. Topics include neural development, growth cone behavior, properties of voltage gated channels, systems neurobiology, and psychophysics. Experimental approaches include immunohistochemistry, molecular genetics, time lapse video-enhanced microscopy, gene expression of channels, whole cell voltage clamp, and extracellular recording.

Note: Primarily for upper-level undergraduate and graduate students.

Prerequisite: MCB 80.

***MCB 118. Developmental Biology**

Catalog Number: 0749

Andrew P. McMahon

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

A comprehensive lecture course in developmental biology. Principles and mechanisms of development analyzed using molecular, cellular, and genetic dissection of predominantly animal



models will focus on events that underlie the molding of the body plan of an embryo, moving from simple to complex, generating the form and function of the adult. The role of similar mechanisms in regeneration and repair will be discussed.

Prerequisite: MCB 52 and MCB 54, or permission of the instructor.

MCB 120. Cell Cycle Control and Genome Stability

Catalog Number: 3069 Enrollment: Limited to 20.

Matthew Michael and Raymond L. Erikson

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

Covers the molecular biology and biochemistry of the cell cycle in normal and cancer cells. Explores how DNA replication, DNA repair, and cell cycle checkpoint pathways are integrated so that the repair of damaged DNA is coordinated with chromosomal duplication and cell cycle progression. Other aspects of the cell cycle control, such as initiation of cell proliferation, and entrance into and progression through mitosis, also covered. Consists of lectures, and readings from the primary literature.

Prerequisite: MCB 52 and MCB 54.

[MCB 122. The Biology of Cell Division and Cancer] - (New Course)

Catalog Number: 4353

Raymond L. Erikson

Half course (fall term). Hours to be arranged.

The molecular and cellular interfaces between normal cells and cancer cells will be covered in lectures and readings from the original literature. Topics will include conversion of extracellular signals to intracellular signals, protein kinase networks, mitosis, cell death, oncogenes, and suppressor genes.

Note: Expected to be given in 2007–08.

MCB 123. Mammalian Cell Physiology

Catalog Number: 4920 Enrollment: Limited to 25.

Axel Nohturfft

Half course (spring term). W., F., 10–11:30. EXAM GROUP: 3, 4

By following the fate of a hamburger sandwich, the course will explore the chemical composition of food, its digestion, and metabolism. Regulation of major metabolic pathways under different physiological conditions. Strong emphasis on scientific methods and strategies. Lectures and discussions of primary literature.

Prerequisite: MCB 52 and MCB 54 or permission of the instructor.

MCB 125. Stem Cells and Cloning

Catalog Number: 5481

Douglas A. Melton

Half course (fall term). M., W., 4–5:30. EXAM GROUP: 9

An advanced course in developmental biology. Embryonic and adult stem cells in different organisms will be examined in terms of their molecular, cellular and potential therapeutic properties. Genetic reprogramming by nuclear transfer and cloning animals will be critically evaluated. Current findings will be considered in a historical context; ethical and political considerations will not be ignored.



Prerequisite: MCB 52 and MCB 54, or permission of the instructor. MCB 118 is an ideal preparation.

***MCB 129. Molecular Genetics of Neural Development and Behavior**

Catalog Number: 8956 Enrollment: Limited to 20.

Samuel M. Kunes

Half course (fall term). M., W., 10–11:30. EXAM GROUP: 3, 4

A lecture and discussion course on the development of the nervous system and the relationship between genes and behavior. Topics include neural differentiation and cell identity, cell birth and death, axon guidance and synaptic specificity, behavioral genetics. Emphasis on critical evaluation of readings from the primary literature, experimental design and scientific writing.

Prerequisite: Permission of the instructor.

MCB 131. Computational Neuroscience

Catalog Number: 9868

Haim I. Sompolinsky (Hebrew University)

Half course (fall term). M., 1–4. EXAM GROUP: 6, 7, 8

Follows trends in modern brain theory, focusing on local neuronal circuits as basic computational modules. Explores dynamics of neuronal networks, elucidating concepts of synchrony, steady states, and attractor manifolds. Introduces tools from information-theory and statistical inference for the study of neural code. Specific topics: adaptation and gain control in early vision, feature selectivity in cortical circuits; neural integration and decision making; long-term and working memory; learning and synaptic plasticity; noise and chaos in neuronal systems.

Prerequisite: Basic knowledge of multivariate calculus, differential equations, linear algebra, and elementary probability theory.

[MCB 140. Introduction to Biophysics]

Catalog Number: 9736 Enrollment: Limited to 40.

Howard C. Berg and Aravinthan D. T. Samuel

Half course (spring term). Hours to be arranged.

An introduction to the biology and physics of stochastic processes that affect the behavior of cells, biopolymers, and biological motors. Elements of probability and statistics, entropic elasticity, the random walk, diffusion, sedimentation, and electrophoresis. Applications to sensory physiology, cell motility, stretching and twisting of DNA, and the motion of motors along biopolymers.

Note: Expected to be given in 2007–08. Given in alternate years. Lectures, problem sets, discussions. May not be taken for credit by students who have taken Physics 140.

Prerequisite: Mathematics at the level of 21a, Physics 15a/15b or Physics 11a/11b or permission of the instructor. Some familiarity with elementary statistical mechanics helpful.

MCB 141. Molecular and Developmental Neurobiology

Catalog Number: 5205

Catherine Dulac

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Molecular basis of sensory perception and formation of related neuronal networks during vertebrate development. Topics will include: mechanisms of sensory discrimination at the level



of receptor molecules and receptor cells; coding of sensory information by the brain; establishment of appropriate connections in the developing brain. Molecular and genetic approaches to memory and behavior will be discussed.

Prerequisite: MCB 52 and MCB 80.

[*MCB 142. Major Advances in Classical and Molecular Genetics]

Catalog Number: 7948 Enrollment: Limited to 20.

Matthew Meselson

Half course (fall term). Hours to be arranged.

Critical reading and group discussion of selected papers in classical and molecular genetics. Participation in class discussion of readings is essential. Substantial essay on a mutually agreed upon topic is due at the end of reading period.

Note: Expected to be given in 2007–08.

Prerequisite: LS 1b or equivalent and permission of the instructor.

MCB 150. Developmental Genetics and Genomics

Catalog Number: 5703

Kevin C. Eggan

Half course (spring term). M., W., 3:30–5. EXAM GROUP: 8, 9

Our goal is for students to gain a fundamental understanding of the genetic control of development in four genetically accessible animal models; the nematode *C. elegans*, the fruit fly *Drosophila melanogaster*, the zebra fish *Danio rio*, and the mouse *Mus musculus*. A focus of the course is to compare and contrast genetic analysis of and the genetic control of developmental processes and mechanisms in these four organisms. The course consists of lectures, student presentations, and written assignments.

Prerequisite: LS 1a or equivalent, LS 1b or equivalent, and MCB 52.

***MCB 155. Molecular Mechanisms of Gene Control**

Catalog Number: 6230

Tom Maniatis and Nicole J. Francis

Half course (fall term). Tu., Th., 4–6. EXAM GROUP: 18

An advanced course on the control of gene regulation. Topics include: mechanisms of gene regulation at the level of transcription, chromatin structure, DNA methylation, RNA processing, mRNA localization, and protein synthesis and degradation. The course is taught through weekly lectures and readings from the current literature. Topics covered in lectures and the reading assignments are discussed in sections. Students are required to critically evaluate and discuss recent papers in sections. Two exams.

Prerequisite: MCB 52 and MCB 54 (or equivalent), and permission of instructor.

MCB 156. Structural Biology of the Flow of Information in the Cell

Catalog Number: 8543

Rachelle Gaudet and David Jeruzalmi

Half course (fall term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

A journey that follows the path taken by an extra-cellular signal as it reaches a cell, traverses the plasma membrane, navigates the cytoplasm, and finally manifests its effect upon the genome. Through the reading and discussion of primary research literature, the course highlights how



structural biology has helped develop a detailed picture of each step in the pathway. The interplay between cellular and network biology and structural biology is also emphasized.
Prerequisite: Introductory molecular and cellular biology (MCB 52 and MCB 54 or equivalent).

MCB 169. Molecular and Cellular Immunology

Catalog Number: 2518

Hidde Ploegh (MIT)

Half course (fall term). Tu., Th., 10–11:30, and one 90-minute discussion section weekly. EXAM GROUP: 12, 13

Basic elements of the immune system. Molecular biology of antigen recognition structures on B and T lymphocytes. Cellular and genetic basis of immunity. Regulation and development of the immune system.

Prerequisite: LS 1b or equivalent and MCB 52. Genetics and cell biology strongly recommended.

MCB 173. Optical Imaging in the Biological Sciences

Catalog Number: 3836 Enrollment: Limited to 30.

Jeff Lichtman

Half course (fall term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

The optical microscope has undergone a radical transformation. Recent innovations in lasers, chemistry, molecular biology, detectors, computation and optics have propelled the microscope to the cutting edge of modern biology. These complex machines are now the tools of choice for revealing structure and function in biology. This course explores the principles and practice of the “new microscopy.” Topics include the nature of light, fluorescence, image restoration, confocal, 2-photon, structured illumination and other new techniques.

Prerequisite: Permission of the instructor; MCB 80 recommended.

MCB 176. Biochemistry of Membranes

Catalog Number: 3186

Guido Guidotti

Half course (fall term). M., W., 2–4. EXAM GROUP: 7, 8

A course on the properties of biological membranes, essential elements for cell individuality, communication between cells, and energy transduction. Topics include : membrane structure; membrane protein synthesis, insertion in the bilayer and targeting; transporters, pumps and channels; electron transport, H⁺ gradients and ATP synthesis; membrane receptors, G proteins and signal transduction, and membrane fusion.

Prerequisite: MCB 52 and MCB 54 are recommended but not required.

MCB 186. Circadian Biology: From Cellular Oscillators to Sleep Regulation

Catalog Number: 2854

J. Woodland Hastings and Charles A. Czeisler (Medical School)

Half course (fall term). W., 2–5, and a one-hour discussion section weekly. EXAM GROUP: 7, 8, 9

Properties, mechanisms, and functional roles of circadian (daily) rhythms in organisms ranging from unicells to mammals. Cellular and molecular components, regulation of gene expression and physiological functions, genetic and biochemical analyses of circadian rhythms, and



neurobiology of the mammalian circadian pacemaker. Mathematics and modeling of oscillatory systems and applications to circadian rhythms. Experimental studies of human rhythms, including the sleep-wake cycle and hormone rhythms, with applications to sleep disorders.

Prerequisite: LS 1b or equivalent, MCB 80 desirable.

MCB 188. Chromosomes

Catalog Number: 8561

Nancy Kleckner

Half course (spring term). Tu., Th., 2–4. EXAM GROUP: 16, 17, 18

Chromosome morphogenesis in prokaryotic and eukaryotic organisms. Topics will include chromosome structure, interactions between chromosomes (sisters and homologs), DNA recombination and repair, topoisomerases, transposable elements and site-specific recombination, epigenetic inheritance. Genetic, cytological, and biochemical approaches will be integrated. Lecture, reading, and discussion of classical and current literature and consideration of future experimental directions.

Prerequisite: LS 1b or equivalent, MCB 52, and MCB 54.

MCB 192. Principles of Drug Discovery and Development

Catalog Number: 2188 Enrollment: Limited to 40.

Vicki L. Sato, Mark C. Fishman (Medical School), and Gregory L. Verdine

Half course (spring term). Tu., Th., 11:30–1, and one 90-minute section to be arranged. EXAM GROUP: 13, 14

This interdisciplinary course will examine the process of drug discovery and development through disease-driven examples. Topics include: the efficacy/toxicity balance, the differences between drugs and inhibitors, the translation of cellular biochemistry to useful medicine.

Note: May not be taken concurrently with Chemistry 192. May not be taken for credit if Chemistry 192 has already been taken. Expected to be omitted in 2007-08.

Prerequisite: MCB 52 and one year of organic chemistry. MCB 54 is recommended.

MCB 199. Statistical Thermodynamics and Quantitative Biology - (New Course)

Catalog Number: 9072

David R. Nelson

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Applications of molecular thermodynamics and statistical mechanics to quantitative problems in biology such as gene regulation, protein transport and motor molecules, using the concepts of entropy, free energy, solution electrostatics, adsorption, and chemical kinetics. The dynamics of molecular diffusion and pattern formation will be discussed as well.

Note: Biology students without strong quantitative backgrounds may wish to take MCB 111 first.

Prerequisite: Two semesters of college calculus and some exposure to molecular and cellular biology. Experience with statistics and differential equations would be helpful.

Cross-listed Courses

Biophysics 101. Genomics, Computing, and Economics

Chemistry 163. Frontiers in Biophysics

[Human Evolutionary Biology 1420 (formerly Anthropology 1420). Human Anatomy]



[*Human Evolutionary Biology 1463 \(formerly *Anthropology 1463\). Molecular Evolution of the Primates](#)

[Mathematics 153. Mathematical Biology-Evolutionary Dynamics](#)

[Physics 141. The Physics of Sensory Systems in Biology - \(New Course\)](#)

[Systems Biology 200 \(formerly Systems Biology 101\). A Systems Approach to Biology](#)

Primarily for Graduates

[*Biology 200r. AB/AM Laboratory Research](#)

Catalog Number: 3696

David A. Haig and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Open only to Advanced Standing Biology concentrators doing research as part of a combined AB/AM degree.

Note: All students must submit registration materials for Biology 200r at the time of enrollment. Laboratory safety session required.

[MCB 200hf \(formerly MCB 200\). Research Design and Methods: Graduate Study in Molecular and Cellular Biology](#)

Catalog Number: 7215

David Jeruzalmi and Nicole J. Francis (fall term); Rachelle Gaudet and Matthew Michael (spring term)

Half course (throughout the year). Fall: M., 5:30–7:30 p.m.; Spring: M., 6–8 p.m. EXAM GROUP: 9

The goal of the course is to introduce the methods and logic of modern biology as developed through reading and discussion of research papers in biochemistry, cell biology, developmental biology, and neurobiology.

Note: Active participation in critical evaluations and discussions is required.

[MCB 205 \(formerly Biological Sciences 205\). Introduction to Graduate Study in Genetics and Genomics](#)

Catalog Number: 5759

William M. Gelbart

Half course (fall term). Tu., F., 11:30–1. EXAM GROUP: 4, 5, 13, 14

The intersection of genomics with studies of gene organization, expression, structure, population genetics, and molecular evolution will be discussed during the term.

Note: Open to all graduate students in the life sciences. Required of first-year graduate students in the Genetics and Genomics Training Program. For others, permission of the instructor is required.

[MCB 208. Talking about Science](#)

Catalog Number: 3605 Enrollment: Limited to 30.

Jeff Lichtman and Michael E. Greenberg (Medical School)

Half course (fall term). W., 12:30–2. EXAM GROUP: 5, 6

Teaches advanced students how to give a good research talk while exposing them to seminal scientific discoveries. Emphasis will be on speaking style, lecture organization, and use of video



projection tools.

Note: In addition to lecture material from the course head, students will present experiments from Nobel Prize-winning work. The presentations will be critiqued in class by the participants. Open to second year graduate students or by permission of the instructor.

[MCB 210. Interesting Questions in Modern Biology]

Catalog Number: 7962

Nancy Kleckner

Half course (spring term). Hours to be arranged.

Progress in scientific discovery is often due to the application of imagination and the associated ability to frame the right question. Correspondingly, we will unite faculty and graduate students in the search for interesting questions in the biological sciences.

Note: Expected to be given in 2007–08. Two course meetings per week: one lecture (one hour) and one section (two hours). Will comprise a series of six two-week modules, each covering a different subject area, and each taught jointly by a different pair of faculty. Intended primarily or exclusively for first-year MCB graduate students.

MCB 212. Topics in Biophysics

Catalog Number: 3351

Howard C. Berg

Half course (spring term). F., 2:30–4. EXAM GROUP: 7, 8

Motility and sensory transduction; chemotaxis in bacteria; flagellar motility; prokaryotic and eukaryotic motor molecules.

Note: Given in alternate years. A term paper and seminar are required.

MCB 223. Laboratory in Engineering and Physical Biology - (New Course)

Catalog Number: 7314

Nancy Kleckner

Half course (spring term). M., W., 1–5. EXAM GROUP: 6, 7, 8, 9

A project-oriented laboratory course which will integrate genetic, molecular, biochemical and cytological approaches from the life sciences with optical, magnetic and mechanical approaches from the physical sciences. Interesting and original experiments will be organized around a common theme which, this year, will be "Biomechanics of E. coli."

Note: Intended primarily for first year graduate students in the EPB PhD track but available to other graduate students and advanced undergraduates as space and resources permit.

MCB 225. Interesting Questions in Physical Biology - (New Course)

Catalog Number: 7646

Nancy Kleckner

Half course (fall term). M., W., 2–4. EXAM GROUP: 7, 8

Physical biology can be defined as a discipline that seeks to understand biological processes through the lens of physics and engineering. Faculty and students will unite to review current research with the aim of identifying and pondering interesting emerging questions in this area.

Note: Intended primarily for first year graduate students in the EPB PhD track but available to other graduate students and advanced undergraduates as space permits.



MCB 268. Molecular Immunology: Seminar

Catalog Number: 2196 Enrollment: Limited to 16.

Jack L. Strominger

Half course (spring term). M., Th., 4–6. EXAM GROUP: 9, 18

One session each week is a lecture on the topics. At the second session, four papers are read from the current literature; each presented by a student in 20-30 minutes. Course work: reading of papers, seminar presentations, and class participation.

Prerequisite: MCB 169 or permission of instructor required for undergraduates only.

Cross-listed Courses

Applied Physics 291. Electron Microscopy Laboratory
***Chemistry 270 (formerly Chemistry 170). Chemical Biology**

Graduate Courses of Reading and Research

***MCB 300. Introduction to Research**

Catalog Number: 4816

Markus Meister 3007, Andrew W. Murray 3765, and members of the Department

***MCB 301. Synapse Formation**

Catalog Number: 3935

Joshua R. Sanes 5094

***MCB 302. Mechanisms of Epigenetic Reprogramming**

Catalog Number: 6640

Kevin C. Eggan 5373

***MCB 303. Mechanisms of Epigenetic Inheritance by Polycomb Group Proteins**

Catalog Number: 3144

Nicole J. Francis 5227

***MCB 306. Biophysics and Physiology of Neurons**

Catalog Number: 1695

Venkatesh N. Murthy 2424

***MCB 307. Developmental Genetics and Neurobiology**

Catalog Number: 8554

Alexander F. Schier 5238

***MCB 308. Quantitative Analysis of Regulatory Networks**

Catalog Number: 2226

Erin K. O'Shea 5239



***MCB 311. Biochemistry of Epigenetics**

Catalog Number: 6131

Nicole J. Francis 5227

***MCB 312. Military and Arms Control Applications of Biology and Chemistry**

Catalog Number: 2063

Matthew Meselson 1319 (on leave fall term)

***MCB 315. Structural Biology of Signaling and Transport Through Biological Membranes - (New Course)**

Catalog Number: 9560

Rachelle Gaudet 4413

***MCB 316. Structural Biology of Retroviral Replication - (New Course)**

Catalog Number: 8769

Victoria M. D'Souza 5584

***MCB 317. Structure and Function of the Biological Assemblies Involved in DNA Replication - (New Course)**

Catalog Number: 6396

David Jeruzalmi 4528

***MCB 322. Genetics and Development**

Catalog Number: 7290

Craig P. Hunter 2803

***MCB 326. Biochemical Virology**

Catalog Number: 0243

Raymond L. Erikson 7506

***MCB 327. DNA Damage Induced Signal Transduction**

Catalog Number: 8684

Matthew Michael 3825

***MCB 344. Molecular and Developmental Neurobiology**

Catalog Number: 2292

Catherine Dulac 2801

***MCB 359. Chromosomes**

Catalog Number: 6278

Nancy Kleckner 4697

***MCB 364. Vertebrate Development**

Catalog Number: 1396

Andrew P. McMahon 3312



***MCB 365. Neurobiology**

Catalog Number: 8349

John E. Dowling 3545

***MCB 366. Synaptic Plasticity and Neuronal Networks**

Catalog Number: 1085

Florian Engert 4290

***MCB 367. Structural Studies of Synapses**

Catalog Number: 1850

Jeff Lichtman 5163

***MCB 369. Structure, Composition, and Function of Biological Membranes**

Catalog Number: 4636

Daniel Branton 4139

***MCB 373. Cellular Biochemistry and Physiology**

Catalog Number: 8053

J. Woodland Hastings 1311

***MCB 374. Developmental Neurobiology**

Catalog Number: 6167

Samuel M. Kunes 3486

***MCB 376. Molecular Biology**

Catalog Number: 4159

Walter Gilbert 1306

***MCB 377. Genetics and Development**

Catalog Number: 5598

William M. Gelbart 4774

***MCB 378. Motile Behavior of Bacteria**

Catalog Number: 5729

Howard C. Berg 1377

***MCB 381. Microbial Development**

Catalog Number: 4994

Richard M. Losick 3561

***MCB 382. Molecular Immunology**

Catalog Number: 5515

Jack L. Strominger 1193



***MCB 386. Molecular Evolution**

Catalog Number: 0763

Matthew Meselson 1319 (on leave fall term)

***MCB 390. Function of Neuronal Circuits**

Catalog Number: 8883

Markus Meister 3007

***MCB 391. Biochemistry**

Catalog Number: 4888

Guido Guidotti 1203

***MCB 392. Lysosomal Cholesterol Transport**

Catalog Number: 7866

Axel Nohturfft 3826

***MCB 395. Mechanisms of Gene Regulation**

Catalog Number: 7697

Tom Maniatis 7231

***MCB 396. Regulation of Mitosis**

Catalog Number: 5706

Andrew W. Murray 3765

***MCB 399. Vertebrate Developmental Biology**

Catalog Number: 7699

Douglas A. Melton 7232

Music

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Music

Ingrid Monson, Quincy Jones Professor of African-American Music, Supported by the Time Warner Endowment (*Chair*) (*on leave fall term*)

Carolyn Abbate, Fanny Peabody Professor of Music (*on leave 2006-07*)

Kofi Agawu, Walter Bigelow Rosen Professor of Music and Professor of African and African American Studies (*on leave spring term*)

Julian Anderson, Fanny P. Mason Professor of Music



Mauro Calcagno, Associate Professor of Music
 Joshua Fineberg, John L. Loeb Associate Professor of the Humanities
 Sean Gallagher, Associate Professor of Music (*on leave fall term*)
 Elliott John Gyger, Assistant Professor of Music (*fall term only*)
 Christopher Hasty, Walter W. Naumburg Professor of Music (*on leave 2006-07*)
 Thomas Forrest Kelly, Morton B. Knafel Professor of Music (*Head Tutor*)
 Robert D. Levin, Dwight P. Robinson, Jr., Professor of Music
 Jameson N. Marvin, Senior Lecturer on Music
 Carol J. Oja, William Powell Mason Professor of Music
 Karen Painter, Associate Professor of Music (*on leave fall term*)
 Matthew G. Peattie, Lecturer on Music
 Alexander Rehding, Professor of Music
 Kay Kaufman Shelemay, G. Gordon Watts Professor of Music and Professor of African and African American Studies
 Anne C. Shreffler, James Edward Ditson Professor of Music
 Daniel Stepner, Preceptor in Music
 Howard G. Stern, Lecturer on Music
 John Stewart, Senior Preceptor in Music
 Hans Tutschku, Gardner Cowles Associate Professor of Music (*on leave fall term*)
 Richard K. Wolf, Harris K. Weston Associate Professor of the Humanities
 Christoph Wolff, Adams University Professor
 James D. Yannatos, Senior Lecturer on Music

Other Faculty Offering Instruction in the Department of Music

Lewis Lockwood, Fanny Peabody Research Professor of Music

Undergraduates considering a concentration in Music should meet with the Head Tutor to discuss the program. Prospective concentrators in Music are encouraged to take Music 51 in their freshman year; Music 51 is a prerequisite of Music A. Music A is required of concentrators, and should be taken as early as possible. Students who know they are going to concentrate in Music and do not have piano background should consult with the instructor of Music A immediately upon arrival at Harvard. In order to obtain concentration credit for a course for which such credit is not normally given, students must petition the Department at the beginning of the term. For students not intending to concentrate in Music, the department ordinarily offers Music 1 and Music 2 every year. Other courses may be taken with permission of the instructor. See also listings in African and African American Studies, Core Curriculum, Folklore and Mythology, General Education, and Medieval Studies.

Primarily for Undergraduates

***Music Ar. Musicianship**

Catalog Number: 4859

John Stewart

Half course (fall term; repeated spring term). Hours to be arranged.

Consists of two parts: (1) Basic piano skills involving sight-reading, score reading, figured bass



realization, harmonization, and improvisation. Individual or small-group instruction; and (2) Earlab (sight singing, rhythmic studies, melodic/harmonic dictation, and other exercises). Two class meetings per week. In addition, individual instruction in piano playing is given to those not proficient at the keyboard.

Note: Limited to concentrators; the Earlab is open to students concurrently taking another course in the Music Concentration Program. Music concentrators are required to enroll in two terms of Music A, starting in the fall term. A special examination is required of Music concentrators to meet the Musicianship requirement. While credit is awarded for suitable progress in the course, concentrators may find it necessary to repeat (audit) all or portions of Music A in order to prepare for this exam (see *Concentrator's Handbook*).

Prerequisite: Music 51.

Music 1a. Introduction to Western Music from the Middle Ages to Mozart

Catalog Number: 8071

Sean Gallagher

Half course (spring term). M., W., (F.), at 2. EXAM GROUP: 7

Explores about one thousand years of music history (ca. 800-1800), from the medieval through the Classical period. Particular emphasis is given to the liturgical and stylistic context of Gregorian chant and early polyphony; text-music relationships in Renaissance and early baroque compositions; and the works of J. S. Bach, Handel, Haydn, and Mozart.

Note: Music 1a can be taken independently of Music 1b. No prior knowledge of music is presumed. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

[Music 1b. Introduction to Western Music from Beethoven to the Present]

Catalog Number: 4952

Sean Gallagher

Half course (spring term). Hours to be arranged.

Music 1b continues the survey started in Music 1a, beginning with the transition from the Classical to the Romantic period. Explores the history of music in its stylistic and cultural contexts, including aspects of form, composition, social significance, and politics. Composers studied include Beethoven, Schubert, Robert and Clara Schumann, Liszt, Berlioz, Mahler, Wagner, Bizet, Verdi, Schoenberg, Berg, Stravinsky, Debussy, and later twentieth-century figures.

Note: Expected to be given in 2007–08. Music 1b can be taken independently of Music 1a. No prior knowledge of music presumed. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

Music 2. Foundations of Tonal Music I

Catalog Number: 0645 Enrollment: Limited to 60.

Joshua Fineberg

Half course (fall term). M., W., F., at 3. EXAM GROUP: 8

Seeks to develop a greater understanding of musical language, the conceptual foundations of musical literature, and of how critical listening and analysis can be performed. We will make use of traditional prose analysis in the form of written essays as well as musically specific writing and analytical techniques. While reading knowledge of simple musical notation is helpful, there



will be at least one section for students with no previous experience.

Note: Open to all students. May not be counted for concentration. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

Music 3. Foundations of Tonal Music II

Catalog Number: 5805 Enrollment: Limited to 48.

Joshua Fineberg

Half course (spring term). M., W., F., at 3. EXAM GROUP: 8

The first part of the course concentrates on increasing understanding and fluency in writing within the musical language of “common practice tonality.” The second part of the course looks at 20th-century techniques for composing music. The final project is a short composition that will be performed during reading period. Teaching takes place in groups of 10-12, divided according to background, with full group lectures once every second week.

Note: May be counted for concentration credit.

Prerequisite: Music 2 or permission of the instructor.

Music 4. Introduction to Composition

Catalog Number: 2239 Enrollment: Limited to 16.

Elliott John Gyger

Half course (spring term). M., 2-4; F., at 2. EXAM GROUP: 7, 8

Open to students with little or no prior experience in composition. Explores ways of thinking about and organizing basic compositional elements such as melody, harmony, rhythm and instrumental color, as well as developing skills of score preparation and analytical listening. The primary focus of the course is a series of short compositional exercises, culminating in a somewhat longer final project. Workshop performances of students’ music take place throughout the term.

Note: May not be counted for concentration credit.

Prerequisite: Music 2 or equivalent or permission of the instructor.

***Music 51. Theory I**

Catalog Number: 3649

John Stewart

Full course. Tu., Th., at 1, and additional hours to be arranged. EXAM GROUP: 15

The harmonic/contrapuntal language of the Bach Chorales in connection to music of the latter half of the 18th century, 19th century, jazz, pop, rock, and other musics. Course proceeds via frequent composition exercises and keyboard harmony assignments. Second semester considers specific issues of fugue and the harmony of instrumental counterpoint in Bach’s *The Well-Tempered Clavier*. A close reading of Stravinsky’s *Poetics of Music* leads to a substantial final composition project in any style or genre.

Note: Music 51 or its equivalent is required of all concentrators. Students planning to concentrate in Music are encouraged to take the course in their freshman year. Concentrators should plan to meet this requirement by no later than the end of the sophomore year.

Prerequisite: Basic theory and ear training skills. Basic keyboard and sight reading of a Bach Chorale required.



***Music 91r. Supervised Reading and Research**

Catalog Number: 1298

Thomas Forrest Kelly and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open to students wishing to pursue supervised study in an area not covered by the courses currently offered. Students must submit a study proposal to the faculty member with whom they wish to study and a signed proposal to the Assistant to the Head Tutor. May be counted for concentration *only* with the prior approval of the Department.

***Music 92r. Senior Project**

Catalog Number: 2744

Thomas Forrest Kelly and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

For students doing a Senior Project, when a pertinent regularly listed course does not exist, or is not being offered during the student's senior year.

Note: Students should read carefully and well in advance the relevant material in *Handbook for Students*, under the section of "Fields of Concentration: Music." Students should note, in particular #3 in the section marked 'Basic requirements': "a brief written prospectus . . . must be approved and signed by the instructor, and submitted to the Head Tutor no later than the second week of the term." The prospectus must clarify, when appropriate, why no regularly listed course being offered during the student's senior year is pertinent to the proposed work.

***Music 93r. Supervised Reading and Research**

Catalog Number: 8849

James D. Yannatos

Half course (fall term; repeated spring term). Hours to be arranged.

Open to students wishing to pursue supervised study in chamber music. Students must submit a study proposal to Professor Yannatos and a signed proposal to the Head Tutor.

Note: May not be taken Pass/Fail. May not be counted for concentration.

***Music 97r. Tutorial—Sophomore Year: Music History and Repertory**

Catalog Number: 0113

Matthew G. Peattie

Full course (indivisible). M., W., F., at 10. EXAM GROUP: 3

For concentrators only. An intensive survey of Western music throughout its history and of selected non-Western musical traditions, providing methods of further study of music in historical and cultural contexts as well as basic knowledge of repertory.

Note: Music 97r is required of all concentrators and should be taken in the sophomore year or earlier by permission. Each half of the course culminates in an examination testing students' knowledge of a large listening repertory. These examinations must be passed in order to receive credit for the course.

Prerequisite: Music 51 (may be taken concurrently).

***Music 98r. Tutorial — Junior Year**

Catalog Number: 5601

Thomas Forrest Kelly and members of the Department



Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open to junior candidates for honors in Music who have written permission to enroll from the instructor with whom they wish to work, and also from the Head Tutor in Music. With permission, may be taken for a second term.

***Music 99r. Tutorial — Senior Year**

Catalog Number: 1765

Thomas Forrest Kelly and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open to senior candidates for honors in Music who have written permission to enroll from the instructor with whom they wish to work, and also from the Head Tutor in Music. May be counted toward concentration credit only by honors candidates.

For Undergraduates and Graduates

[Music 121a. Choral Conducting]

Catalog Number: 1550

Jameson N. Marvin

Half course (spring term). Hours to be arranged.

Students will conduct the class/choir to gain experience in building and refining their conducting technique. Through repertoire from the 16th - 20th century, students will develop clear, precise and expressive conducting gestures.

Note: Expected to be given in 2007–08. May not be counted for concentration credit.

Prerequisite: Choral or ensemble experience; ear training, keyboard, and theory background helpful.

Music 121b. Advanced Choral Conducting

Catalog Number: 1675

Jameson N. Marvin

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Score Analysis and Interpretation: learning to understand the symbolic notation of musical gesture. Development of the mental-aural image of the score: preparing the conductor's ear for rehearsal. Rehearsing: how to hear, how to listen, how to fix. Further development of conducting technique: clarity, precision, and informed expressivity revealing musical gesture.

Prerequisite: Music 121a, Music 51, or conducting and musicianship background.

***Music 125a. Beginning Orchestration and Conducting**

Catalog Number: 8397

James D. Yannatos

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Studies in basic conducting skills related to exercises in 17th- and 18th-century orchestration. Demonstration of stringed instruments.

Note: May not be counted for concentration credit.

Prerequisite: Music 51 or permission of instructor.



***Music 125b. Advanced Orchestration and Conducting**

Catalog Number: 8304

James D. Yannatos

Half course (spring term). Th., 2–4.

Advanced conducting skills related to studies in tonal, polytonal, atonal, 12-tone and avant-garde orchestration. Demonstration of wind, brass, and percussion instruments.

Prerequisite: Music 154 or permission of instructor.

[Music 126b. Advanced Conducting]

Catalog Number: 4868

James D. Yannatos

Half course (spring term). Hours to be arranged.

Workshop for aspiring conductors with some experience. The technical aspects of conducting and rehearsing in relation to an understanding of the score will be studied with practical classroom exercises using piano and various instrumental groups.

Note: Expected to be given in 2007–08.

Prerequisite: Music 125a, Music 154, and/or permission of the instructor.

Music 154. Theory II

Catalog Number: 4771

Suzannah Clark (spring term) and Alexander Rehding (fall term)

Full course. Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Continues the work of Music 51 with emphasis on Classical style (Mozart, Haydn, Beethoven). Concepts are developed through composition, keyboard and analytical exercises. Topics include harmony, phrase structure, form, sonata procedures. Spring term also explores chromatic harmony in 18th- and 19th-century music.

Note: Required of all concentrators. May not be counted for credit toward an advanced degree.

Prerequisite: Music 51 or equivalent.

Music 155. Modal Counterpoint

Catalog Number: 7710

Howard G. Stern

Half course (fall term). Tu., Th., 3–4:30. EXAM GROUP: 17, 18

Study of representative styles and genres of 16th-century polyphony. Detailed analytic work will be combined with compositional exercises.

Prerequisite: Music 154 or permission of instructor.

Music 156. Tonal Counterpoint

Catalog Number: 3930

Howard G. Stern

Half course (spring term). Tu., Th., 3–4:30. EXAM GROUP: 17, 18

Written work in the Bach style.

Prerequisite: Music 154 or equivalent.

Music 157x. Tonal Analysis

Catalog Number: 6830



Alexander Rehding

Half course (spring term). Tu., 10–11:30. EXAM GROUP: 12, 13

Detailed examination of representative tonal compositions.

Note: For undergraduates who have completed Music 154 or equivalent.

Prerequisite: Music 154 or permission of instructor.

Music 157v. Analysis of 20th-Century Music

Catalog Number: 4397

Elliott John Gyger

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Intensive survey of compositional styles and techniques of the last 100 years. Traditional pitch-centered analysis, including set theory, as well as approaches focusing on rhythm, timbre, gesture, and other elements.

Prerequisite: Music 154 or permission of instructor.

***Music 160r. Composition: Proseminar**

Catalog Number: 8026

Elliott John Gyger

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Open to students prepared for individual work in composition. Focus on the string quartet, including contemporary repertoire survey, short exercises, and a final project of modest dimensions. Incorporates readings and final performance of students' work.

Prerequisite: Music 154 or permission of instructor.

***Music 161r. Advanced Composition**

Catalog Number: 6714 Enrollment: Music concentrators only.

Julian Anderson

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Advanced course in musical composition. Consists of a mixture of one-on-one and group meetings. Listening Lab included.

Prerequisite: Music 154 or equivalent.

***Music 167r. Electro-Acoustic Composition**

Catalog Number: 3806 Enrollment: Limited to 12.

Hans Tutschku

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Composition/performance involving analog and digital electronic medium. Projects realized using recording gear and computers; study of relevant aspects of acoustic and electronic theory; compositions since 1948 of musique concrete, acousmatic and live-electronic music; synthesis, sampling, digital recording, and live performance techniques.

Prerequisite: One course in theory/composition or permission of instructor.

[Music 171r. Electronic Composition as Collaborative Art] - (New Course)

Catalog Number: 0522



Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2007–08.

***Music 180r. Performance and Analysis: Seminar**

Catalog Number: 2294 Enrollment: By audition only, prior to the first meeting.

Robert D. Levin and Daniel Stepner

Half course (fall term; repeated spring term). M., 7–10 pm and an additional meeting to be arranged. EXAM GROUP: 9

Representative chamber music of the past and present is prepared for performance in class sessions and private coachings. Intensive class analysis as the basis of musical expression and interpretation.

Note: Open to singers and instrumentalists.

[*Music 182r (formerly *Music 182). 17th- and 18th-Century Performance Practice]

Catalog Number: 1460

Robert D. Levin

Half course (fall term). Hours to be arranged.

Articulation, ornamentation, improvisation, and other stylistic domains are considered from the perspectives of historical evidence and modern performance.

Note: Expected to be given in 2007–08.

Prerequisite: Music 154 or permission of instructor.

Music 183r (formerly Music 183). 19th-Century and 20th-Century Performance Practice

Catalog Number: 0117

Robert D. Levin

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Evolution of performance style from the Classical era to the present day. The decline in the creative role of the performer and rapid technological developments are explored. Examination of contemporary treatises and performance styles. A dialogue between scholarship and performance is encouraged.

Note: May be counted for music concentration credit for Music 193r.

Prerequisite: Music 154 or permission of instructor.

Music 190r. Topics in World Music: Proseminar

Catalog Number: 1312

Richard K. Wolf

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Music in Islamic Contexts: South and West Asia. Explores what it means for musical cultures to share Islam as a common context by examining South and West Asian musical cultures and issues pertaining to the Muslim world as a whole.

Note: For music concentrators or permission of instructor.

[*Music 190rs. Topics in World Music: Proseminar]

Catalog Number: 7577



Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2007–08.

Music 191r. Topics in Medieval and Renaissance Music: Proseminar

Catalog Number: 2524

Mauro Calcagno

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Music and Poetry in Late Renaissance Italy: The Vernacular Tradition Up to Gesualdo. Before opera began, composers setting texts in Italian language dealt mostly with secular genres for the chamber: madrigals and "light genres." The seminar explores these repertoires by focusing on the cities where they were produced. The "case" of Gesualdo, including his reception among twentieth-century composers, will be examined.

Note: For music concentrators or permission of instructor.

[Music 191rs. Topics in Medieval and Renaissance Music: Proseminar]

Catalog Number: 2871

Half course (spring term). Hours to be arranged.

Medieval and Renaissance Instrumental Music.

Note: Expected to be given in 2007–08.

Music 192rs. Topics in Music from 1600–1800: Proseminar

Catalog Number: 6726 Enrollment: For music concentrators or by permission of concentrators.

Mauro Calcagno

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Monteverdi's Opera's. Through comparisons of different productions on video, the seminar focuses on Orpheus, Poppea, and Ulysses, dealing with aspects of performance and staging, and taking into account the contexts in which the works were first performed and the relationships with other secular works. At the dawn of opera, how does a composer create a new musical language for the stage?

Note: For music concentrators or by permission of instructor.

Music 193r. Topics in Music from 1800 to the Present: Proseminar

Catalog Number: 3741 Enrollment: Limited to 12.

Anne C. Shreffler

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Music Since 1945. A survey of different schools and styles of composition in European and American art music since the Second World War, with consideration of the intellectual and historical context of the works studied.

Note: For music concentrators or permission of instructor.

Music 193rs. Topics in Music from 1800 to the Present

Catalog Number: 3230

Mauro Calcagno

Half course (spring term). F., 1–3. EXAM GROUP: 6, 7

Image, Music, Text: The Cultures of 20th Century Italy. Interactions among three systems of



communication in the recent history of the Italian peninsula: music, words, and visual phenomena. Topics: Puccini, film music, folk traditions, mass culture, contemporary musical theater. Receptions abroad, particularly of opera in the U.S.

***Music 193rt (formerly Music 192r). Topics in Music from 1800-Present**

Catalog Number: 2944 Enrollment: Limited to 12.

Aaron Allen

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

The Symphony. Intensive, selected studies of the nineteenth- and twentieth-century symphony.

Topics include sketches, reception, criticism, historiography, and analysis.

Note: For music concentrators or permission of instructor.

Music 194r. Special Topics: Proseminar

Catalog Number: 2846

Carol J. Oja

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

The American Musical, 1927-1957. Timed to coincide with Harvard's festival, "Leonard Bernstein: Boston to Broadway", this seminar will explore the heyday of the American musical, ranging from Show Boat to West Side Story.

Music 194rs. Special Topics: Proseminar

Catalog Number: 8586

Guthrie P. Ramsey

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

African American Jazz. This course explores aspects of the origins, style development, aesthetic philosophies, historiography, and contemporary conventions of African-American musical traditions. The course will place particular interest on jazz and hip-hop.

Music 194rt. Special Topics: Proseminar

Catalog Number: 8523

Elliott John Gyger

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Concertos for Orchestra: Construction of a Genre, 1925-2005. The orchestral concerto from its invention by Hindemith, through Petrassi, Kodaly, Bartok, Lutoslawski, Musgrave, Carter, Holloway and others.

Music 194ru. Special Topics: Proseminar

Catalog Number: 7341

Tomie P. Hahn

Half course (spring term). Tu., 4–6. EXAM GROUP: 18

Embodying American Asian Identities. Explores identity and embodiment relative to Asia America. Examines theoretical issues raised through student creative work and writings.

Discussions on theoretical readings and the experience of movement exploration, music, and art making.

Cross-listed Courses



[Foreign Cultures 79. Historical and Musical Paths on the Silk Road - \(New Course\)](#)

[Literature and Arts B-51. First Nights: Five Performance Premieres](#)

[Literature and Arts B-63. Bach in His Time and Through the Centuries](#)

[Literature and Arts B-68. Opera](#)

[Literature and Arts B-78. Soundscapes: Exploring Music in a Changing World]

[Literature and Arts B-82. Sayin' Something: Jazz as Sound, Sensibility, and Social Dialogue]

Primarily for Graduates

[Music Bhf. Exercises in Tonal Writing and Analysis](#)

Catalog Number: 3045

Howard G. Stern

Half course (throughout the year). Hours to be arranged.

Includes theory (level of Music 154) as well as keyboard and ear training.

Note: Required of all graduate students. This requirement must be met before admission to the General Examination.

[Music 201a. Current Methods in Historical Musicology](#)

Catalog Number: 4975

Christoph Wolff

Half course (fall term). M., 10–12. EXAM GROUP: 3, 4

An introduction to scholarship, drawing upon the history, theoretical frameworks, and working methods of historical musicology. The course will focus on aspects of critical biography, historical terminology, and musical philology.

Note: May be taken independently by students from other departments with permission of instructor.

[Music 201b. Current Methods in Ethnomusicology](#)

Catalog Number: 3995

Kay Kaufman Shelemay

Half course (spring term). Tu., 10–12. EXAM GROUP: 12, 13

Focuses on the introduction to scholarly study of music with emphasis on the history and methodologies of ethnomusicology. Theories of music in culture, field methods, analytical and notational strategies, and critical tools for scholarship.

Note: May be taken independently by students from other departments with permission of instructor.

[\[Music 206r. Research Methods in Ethnomusicology: Musical Ethnography\]](#)

Catalog Number: 6891

Kay Kaufman Shelemay

Half course (fall term). Hours to be arranged.

An introduction to the theories and methods of ethnomusicological fieldwork, including changing conceptions of the research site, ethical concerns, interview techniques, the ethnography of musical performance, and data analysis and interpretation.



Note: Expected to be given in 2007–08. Individual research project required. Open to undergraduates with permission of instructor.

Music 207r. Ethnomusicology: Seminar

Catalog Number: 2149

Richard K. Wolf

Half course (fall term). Th., 10–12. EXAM GROUP: 12, 13

Music and Ritual. A cross cultural and interdisciplinary examination of the significance of music in ritual contexts. Readings from fields of musicology, ritual and religious studies, anthropology and history. Extended case studies from South Asia examined in class.

Note: Open to undergraduates with permission of instructor.

Music 207rs. Ethnomusicology: Seminar

Catalog Number: 8999

Tomie P. Hahn

Half course (spring term). W., 10–12. EXAM GROUP: 3, 4

Performing Body, Self, Identity. Issues of embodiment and the performing body, including topics such as: body "practices;" learning through the senses; issues of identity; media awareness; the ephemeral quality of presence; and relationship of the body to media.

Note: Open to undergraduates with permission of instructor.

Music 208r. Ethnomusicology: Seminar

Catalog Number: 2232

Kay Kaufman Shelemay

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

African Musics New to North America. Research seminar exploring African musics and musicians new to North America post African independence, with special attention to Ethiopian and several West African music traditions.

Note: Open to undergraduates with permission of instructor.

Music 209r. Ethnomusicology: Seminar

Catalog Number: 4022

Ingrid Monson

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

A Question of Interpretation. Explores conceptual frameworks important in the field of ethnomusicology, including work in anthropology and cultural, literary, gender, and postcolonial studies. Students critically assess theoretical ideas and their applicability to the musics they study.

Note: Open to undergraduates with permission of instructor.

Music 212r. Chant: Seminar

Catalog Number: 4984

Thomas Forrest Kelly

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Gregorian Chant: manuscripts and transmission. Introduction to liturgy and chant. Study of manuscripts sources, with special emphasis on a newly acquired manuscript in the Houghton



Library; a study of aspects of transmission as witnessed by multiple sources from a single place.

Note: Open to undergraduates with permission of instructor.

[Music 213r. Topics in Medieval Polyphony: Seminar]

Catalog Number: 5802

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2007–08. Open to undergraduates with permission of instructor.

Music 214r. Renaissance Music: Seminar

Catalog Number: 7825

Sean Gallagher

Half course (spring term). Th., 1–3:30. EXAM GROUP: 15, 16, 17

Motets and their Contexts, 1350–1500.

Note: Open to undergraduates with permission of instructor.

[Music 214rs. Renaissance Music: Seminar]

Catalog Number: 6294

Mauro Calcagno

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2007–08.

Music 215r. Baroque: Seminar

Catalog Number: 6817

Mauro Calcagno

Half course (fall term). Tu., 1–4. EXAM GROUP: 15, 16, 17

Monteverdi's Madrigal Books. A composer's lab for experimenting with his art, interpreting the world, and dealing with it. Focus on theory and analysis, text-music relationships, music and patronage, philological questions, historiographical issues.

Note: Open to undergraduates with permission of instructor.

Music 216r. 18th-Century Music: Seminar

Catalog Number: 6868

Christoph Wolff

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Mozart in Vienna. Historical, contextual, and analytical studies of selected works and repertoires.

Note: Open to undergraduates with permission of instructor.

[Music 217r. 19th-Century Music: Seminar]

Catalog Number: 9814

Lewis Lockwood

Half course (fall term). Th., 1–4. EXAM GROUP: 15, 16, 17

Late Beethoven. A study of Beethoven's final period, c. 1815-27. His life-situation in his last years and the problem of relating the "sea-change" in his outlook to his compositional activities.

In addition to a collective semester project on the quartet Opus 130 and its two finales, other major works will be discussed.



Note: Expected to be given in 2007–08. Open only to graduate students in the Department of Music.

Music 218r. 20th-Century Music: Seminar

Catalog Number: 0774

Anne C. Shreffler

Half course (fall term). Tu., 10–12. EXAM GROUP: 12, 13

Music and Politics in the 20th Century. Examines political and "unpolitical" music, and also how different (and changing) political associations are ascribed to music throughout the 20th century in Europe and the United States.

Note: Open to undergraduates with permission of instructor.

[Music 218rs. 20th-Century Music: Seminar]

Catalog Number: 0301

Karen Painter

Half course (fall term). Hours to be arranged.

Bruckner, Mahler and myths of racial identity. Intersections of music with anti-Semitism, nationalism, and Zionism, 1880-1945 ("scientific" research, cultural criticism, political writings), and the interpretation of nationality and race in selected works.

Note: Expected to be given in 2007–08.

[Music 219r. 19th- and 20th-Century Music]

Catalog Number: 2275

Anne C. Shreffler

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2007–08. Open to undergraduates with permission of instructor.

[Music 219rs. 19th- and 20th-Century Music]

Catalog Number: 1518

Carol J. Oja

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2007–08.

[Music 220ar. History of Music Theory: Seminar]

Catalog Number: 2119

Alexander Rehding

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2007–08. Open to undergraduates with permission of instructor.

Music 220br. History of Music Theory: Seminar

Catalog Number: 1580 Enrollment: Limited to 20.

Alexander Rehding

Half course (spring term). W., 10–12. EXAM GROUP: 3, 4

Tonal Spaces. Scale-degree and functional approaches to tonal harmony, discussion of seminal theoretical texts (Rameau, Sechter, Riemann, Lewin, etc.), comparative music analyses to



explore different conceptions of tonal space and their limitations.

Note: Open to undergraduates with permission of instructor.

Music 222r. Schenkerian Analysis I

Catalog Number: 4055

Suzannah Clark

Half course (spring term). Tu., 3–5. EXAM GROUP: 17, 18

Introduction to the theories and graphing techniques of Heinrich Schenker and his followers through the analysis of selected works.

Note: Open to undergraduates with permission of instructor.

[Music 224r. Music Analysis]

Catalog Number: 7136

Alexander Rehding

Half course (spring term). Hours to be arranged.

Topic to be announced.

Note: Expected to be given in 2007–08.

Music 230r (formerly Music 230ar). Topics in Music Theory I

Catalog Number: 5712

Alexander Rehding

Half course (fall term). W., 10–12. EXAM GROUP: 3, 4

Music Aesthetics. Discussing seminal texts in 18th-20th century aesthetics, focusing on notions of the sublime. Central to discussions will be the uneasy relationship between the philosophical "idea of music" and particular music(ology)al concerns.

Note: Open to undergraduates with permission of instructor.

Music 230rs (formerly Music 230br). Topics in Music Theory II

Catalog Number: 6696

Kofi Agawu

Half course (fall term). Th., at 1. EXAM GROUP: 15

Prolonged Counterpoint. Study of abstract contrapuntal models and their elaboration in a variety of tonal idioms

Note: Open to undergraduates with permission of instructor.

Music 235r. Cognitive Theories of Music - (New Course)

Catalog Number: 9538

Fred Lerdahl

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Interdisciplinary course addresses recent cognitive theories of musical structure and related empirical research.

Note: For graduate students in music, and MBB students; or by permission of instructor.

***Music 261r. Composition: Seminar**

Catalog Number: 3326 Enrollment: Limited to 10.

Joshua Fineberg



Full course (indivisible). Hours to be arranged.

For first year graduate students prepared for work in original composition.

***Music 262r. Composition: Seminar**

Catalog Number: 4457

Julian Anderson

Full course (indivisible). Hours to be arranged.

For 2nd year and advanced graduate students prepared for work in original composition.

Music 264r. Electronic Music Composition: Seminar

Catalog Number: 1939

Hans Tutschku

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Intensive work in computer music concentrating on traditional and recent electronic techniques.

Prerequisite: Previous knowledge of electronic music techniques, or permission of instructor.

[Music 265r. Orchestration]

Catalog Number: 2379 Enrollment: Limited to 8.

Joshua Fineberg

Half course (spring term). Hours to be arranged.

Focuses on composing for orchestral instruments in large ensembles and orchestras. It alternates classroom meetings and practical sessions with instrumentalists.

Note: Expected to be given in 2007–08. Open to composition graduate students or with permission of instructor.

Music 270r. Special Topics

Catalog Number: 3727

Julian Anderson

Half course (fall term). Th., 10–12. EXAM GROUP: 12, 13

The Outsiders. This series of seminars for graduate composers examines the phenomenon of innovative composers from the last 150 years who evolved on the fringes of the musical establishment of their day.

Music 271r. Fromm Seminar in Composition

Catalog Number: 1311

Gunther Schuller

Half course (spring term). Th., 10–12. EXAM GROUP: 12, 13

Music 272r. Special Topics

Catalog Number: 2059 Enrollment: Limited to 8.

Joshua Fineberg

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Sculpting Sound: the spectral approach to musical composition. This course looks at the aesthetic viewpoint and technical devices that inform spectral composition. It focuses on analysis of pieces as well as on gaining an understanding of the underlying models and techniques.



[Music 273r. Topics in Electroacoustic Music]

Catalog Number: 7701

Hans Tutschku

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2007–08.

Graduate Courses of Reading and Research

***Music 300. Reading and Research for Advanced Students**

Catalog Number: 2504

Carolyn Abbate 5304 (on leave 2006-07), Kofi Agawu 2498 (on leave spring term), Julian Anderson 5148, Mauro Calcagno 3871, Joshua Fineberg 3749, Sean Gallagher 4415 (on leave fall term), Elliott John Gyger 4462 (fall term only), Christopher Hasty 4445 (on leave 2006-07), Thomas Forrest Kelly 1324, Robert D. Levin 3482, Ingrid Monson 1591 (on leave fall term), Carol J. Oja 4599, Karen Painter 3615 (on leave fall term), Alexander Rehding 4651, Kay Kaufman Shelemay 3483, Anne C. Shreffler 4656, Hans Tutschku 5147 (on leave fall term), Richard K. Wolf 1386, and Christoph Wolff 4532

Individual work on specific topics not included in the announced course offerings.

***Music 301. Reading and Research**

Catalog Number: 6543

Carolyn Abbate 5304 (on leave 2006-07), Kofi Agawu 2498 (on leave spring term), Julian Anderson 5148, Mauro Calcagno 3871, Joshua Fineberg 3749, Sean Gallagher 4415 (on leave fall term), Elliott John Gyger 4462 (fall term only), Christopher Hasty 4445 (on leave 2006-07), Thomas Forrest Kelly 1324, Ingrid Monson 1591 (on leave fall term), Carol J. Oja 4599, Karen Painter 3615 (on leave fall term), Alexander Rehding 4651, Kay Kaufman Shelemay 3483, Anne C. Shreffler 4656, Hans Tutschku 5147 (on leave fall term), Richard K. Wolf 1386, and Christoph Wolff 4532

Individual work in preparation for the General Examination for the PhD degree.

Note: May not be counted toward course requirements for the PhD degree.

***Music 309. Doctoral Colloquium**

Catalog Number: 2260

Thomas Forrest Kelly 1324

Half course (spring term). Hours to be arranged.

***Music 310. Direction of Doctoral Dissertations**

Catalog Number: 1819

Carolyn Abbate 5304 (on leave 2006-07), Kofi Agawu 2498 (on leave spring term), Julian Anderson 5148, Christopher Hasty 4445 (on leave 2006-07), Thomas Forrest Kelly 1324, Robert D. Levin 3482, Ingrid Monson 1591 (on leave fall term), Carol J. Oja 4599, Alexander Rehding 4651 (fall term only), Kay Kaufman Shelemay 3483, Anne C. Shreffler 4656, and Christoph Wolff 4532

Note: May not be counted toward course requirements for the PhD degree.



Near Eastern Languages and Civilizations

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Near Eastern Languages and Civilizations

Jay M. Harris, Harry Austryn Wolfson Professor of Jewish Studies (*Chair*)
Irit Aharoni, Preceptor in Modern Hebrew
M. Shahab Ahmed, Assistant Professor of Islamic Studies
Khaled Al-Masri, Preceptor in Arabic
Helga Anetshofer, Preceptor in Ottoman
James A. Armstrong, Lecturer on the Ancient Near East
Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures
Mostafa Atamnia, Preceptor in Modern Arabic on the Ali Abdul Rahman Alturki Endowment
Ghada Badawi, Preceptor in Modern Arabic
J. F. Coakley, Senior Lecturer on Near Eastern Languages and Civilizations
Shaye J.D. Cohen, Nathan Littauer Professor of Hebrew Literature and Philosophy
Michael D. Coogan, Visiting Lecturer on Near Eastern Languages and Civilizations
Khaled El-Rouayheb, Assistant Professor of Islamic Intellectual History
Carl Sharif El-Tobgui, Preceptor in Arabic
John L. Ellison, Lecturer on Near Eastern Languages and Civilizations
William A. Graham, Jr., Murray A. Albertson Professor of Middle Eastern Studies (*FAS*) and John Lord O'Brian Professor of Divinity (*Divinity School*)
William E. Granara, Professor of the Practice of Arabic on the Gordon Gray Endowment
Rachel L. Greenblatt, Instructor [convertible] in Near Eastern Languages and Civilizations, Assistant Professor of Near Eastern Languages and Civilizations
Anna Grinfeld, Preceptor in Modern Hebrew
Jo Ann Hackett, Professor of the Practice of Biblical Hebrew and Northwest Semitic Epigraphy
Paul D. Hanson, Florence Corliss Lamont Professor of Divinity (*Divinity School*) (*on leave fall term*)
Wolfhart P. Heinrichs, James Richard Jewett Professor of Arabic (*Director of Graduate Studies*)
John Huehnergard, Professor of Semitic Philology
Susan M. Kahn, Lecturer on Near Eastern Languages and Civilizations
Hakan T. Karateke, Preceptor in Modern Turkish Language
Miri Kubovy, Professor of the Practice of Near Eastern Languages and Civilizations
Jon D. Levenson, Albert A. List Professor of Jewish Studies (*Divinity School*)
Lee I. A. Levine, Gerard Weinstock Visiting Professor of Jewish History (*Hebrew University of Jerusalem*) (*fall term only*)
Peter Machinist, Hancock Professor of Hebrew and Other Oriental Languages (*Director of Undergraduate Studies*)
Avi Matalon, Assistant Professor of Near Eastern Languages and Civilizations (*on leave 2006-07*)
Susan G. Miller, Senior Lecturer on Near Eastern Languages and Civilizations



Derek Penslar, Nachshon Visiting Professor of Modern Israel Studies (*University of Toronto*)
(*fall term only*)

James R. Russell, Mashtots Professor of Armenian Studies

Richard J. Saley, Lecturer on Near Eastern Languages and Civilizations

Raymond P. Scheindlin, Gerard Weinstock Visiting Professor of Jewish History (*Jewish Theological Seminary*) (*spring term only*)

John S. Schoeberlein, Lecturer on Anthropology and on Near Eastern Languages and Civilizations (*spring term only*)

Bernard Septimus, Jacob E. Safra Professor of Jewish History and Sephardic Civilization

Andrea Seri, Lecturer on Assyriology

P. Oktor Skjaervo, Aga Khan Professor of Iranian

Lawrence E. Stager, Dorot Professor of the Archaeology of Israel

Piotr Steinkeller, Professor of Assyriology

Wheeler M. Thackston, Jr., Professor of the Practice of Persian and Other Near Eastern Languages (*fall term only*) (*on leave fall term*)

Yuri Vedenyapin, Preceptor in Yiddish

Ruth R. Wisse, Harvard College Professor, Martin Peretz Professor of Yiddish Literature, and Professor of Comparative Literature (*on leave spring term*)

Dalia Yasharpour, Preceptor in Persian

Other Faculty Offering Instruction in the Department of Near Eastern Languages and Civilizations

Ofer Bar-Yosef, George Grant MacCurdy and Janet G. B. MacCurdy Professor of Prehistoric Archaeology (*on leave spring term*)

Roy Mottahedeh, Gurney Professor of History

Jonathan Schofer, Assistant Professor of Comparative Ethics (*Divinity School*)

Knowledge of a Near Eastern language is not required in courses designated as Near Eastern Civilizations, Ancient Near East, Jewish Studies, Early Iranian Civilizations, Islamic Civilizations, and Armenian Studies, unless otherwise stated.

Graduate students in the Faculty of Arts and Sciences may enroll in certain foreign language courses for the grade of Satisfactory/Unsatisfactory. Students should consult with course heads to determine if a course is offered on that basis.

Near Eastern Civilizations

Primarily for Undergraduates

Near Eastern Civilizations 90. Junior Seminars. These half courses are limited in enrollment with preference given to Near Eastern Languages and Civilizations concentrators in their junior years. Undergraduate non-concentrators may enroll in junior seminars on a space available basis.

[*Near Eastern Civilizations 91r. Supervised Reading and Research](#)

Catalog Number: 1132

Peter Machinist and members of the Department



Half course (fall term; repeated spring term). Hours to be arranged.
Tutorial supervision of research in subjects not treated in regular courses.

***Near Eastern Civilizations 97r. Group Tutorial—Sophomore Year**

Catalog Number: 0167

Jay M. Harris and members of the Department

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

An introduction to the cultures and literatures of the Near East in ancient, classical, and modern times, emphasizing major themes and problems that cut across individual cultures and historical periods.

***Near Eastern Civilizations 98r. Tutorial — Junior Year**

Catalog Number: 2612

Peter Machinist and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Designed for juniors concentrating in Near Eastern Languages and Civilizations.

***Near Eastern Civilizations 99r. Tutorial — Senior Year**

Catalog Number: 6623

Peter Machinist and members of the Department

Full course. Hours to be arranged.

Note: Designed for seniors concentrating in Near Eastern Languages and Civilizations.

Cross-listed courses

Religion 2841. Orthodoxy: Religion, Truth, and Authority: Seminar - (New Course)
Social Analysis 74. Visible Language: Writing Systems, Scripts, and Literacy
Studies of Women, Gender, and Sexuality 1220. Harem Fictions: From Montesquieu to Mernissi - (New Course)

Primarily for Graduates

Near Eastern Civilizations 200a. Approaches to Middle Eastern Studies: Proseminar

Catalog Number: 5918

Susan M. Kahn

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Interdisciplinary seminar serves as an introduction to the major disciplines constituting Middle Eastern Studies, including history, political science, anthropology, literature and Islamic Studies. Faculty affiliated with Center for Middle Eastern Studies serve as guest lecturers.

Note: Required for students pursuing the AM in Middle Eastern Studies. Primarily for first-term students in the AM in Middle Eastern Studies program, although open to Graduate students in related fields.

Near Eastern Civilizations 200b. Middle Eastern Studies Research Project: Seminar

Catalog Number: 9274

Susan M. Kahn



Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Interdisciplinary seminar for AM thesis development. Students are expected to begin the course with a working draft of AM thesis to be revised and critiqued throughout the semester.

Note: Required for students pursuing the AM in Middle Eastern Studies. Primarily for students in the final term in the AM in Middle Eastern Studies program, although open to students in related fields.

Graduate Courses of Reading and Research

***Near Eastern Civilizations 300. Direction of Master's Thesis**

Catalog Number: 2448

J. F. Coakley 3409, William E. Granara 1054, Jon D. Levenson (Divinity School) 2264, and Wheeler M. Thackston, Jr. 4004 (on leave fall term) (fall term only)

***Near Eastern Civilizations 390. Direction of Doctoral Dissertations**

Catalog Number: 3041

Ali S. Asani 7739, Shaye J.D. Cohen 4180, William A. Graham, Jr. 4156, William E. Granara 1054, Jo Ann Hackett 2389, Paul D. Hanson (Divinity School) 1394 (on leave fall term), Jay M. Harris 2266, Wolfhart P. Heinrichs 4988, John Huehnergard 7697, Jon D. Levenson (Divinity School) 2264, Peter Machinist 2812, James R. Russell 3411, Bernard Septimus 7160, P. Oktor Skjaervo 2869, Lawrence E. Stager 1468, Piotr Steinkeller 7337, Wheeler M. Thackston, Jr. 4004 (on leave fall term) (fall term only), and Ruth R. Wisse 3177 (on leave spring term)

Ancient Near Eastern and Biblical Studies

See also below under Akkadian and Sumerian, Aramaic, Hebrew, and Semitic Philology.

For Undergraduates and Graduates

[Ancient Near East 100. History of the Ancient Near East: Mesopotamia](#)

Catalog Number: 0702

Andrea Seri

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

Surveys the political and cultural history of Mesopotamia from c. 4000 BCE.

Note: Offered jointly with the Divinity School as 1115.

[Ancient Near East 101. Introduction to Mesopotamian Archaeology]

Catalog Number: 1245

James A. Armstrong

Half course (spring term). Hours to be arranged.

Surveys the archaeology of ancient Mesopotamia (geographically defined as the territory of modern Iraq plus immediately adjacent areas) from the Neolithic Period until the conquest of Alexander the Great. While theoretical issues and approaches will not be neglected, the emphasis in this class is on the archaeological data that are used in reconstructions of Mesopotamia's



history and its ancient social systems.

Note: Expected to be given in 2007–08.

[Ancient Near East 102. Introduction to Mesopotamian Religion]

Catalog Number: 0486

Piotr Steinkeller

Half course (spring term). Hours to be arranged.

A survey of the sources, data, and principal concerns. A selection of texts are read in translation.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3661.

[Ancient Near East 105. History of the Ancient Near East: The Levant \(up to Alexander the Great\)](#)

Catalog Number: 0711

Lawrence E. Stager

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

The civilization and cultural traditions of the peoples of Syria-Palestine from the third millennium to the time of Alexander the Great.

[Ancient Near East 109r. History and Archaeology of the Ancient Near East](#)

Catalog Number: 1822

Lawrence E. Stager and Peter Machinist

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Topic for 2006-07: The Phoenicians.

Note: Offered jointly with the Divinity School as 1822.

[Ancient Near East 115. Archaeology of the Levant \(Syria-Palestine\)](#)

Catalog Number: 2813

Lawrence E. Stager and Ofer Bar-Yosef

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

A chronological survey of the archaeology of the Levant in which material culture provides a window on human evolution, society, economy, and religion from the Lower Palaeolithic to Hellenistic times. Special topics include the earliest colonization of *Homo erectus*, the origin of modern humans, the emergence of farming and pastoral societies, the formation and dissolution of Bronze Age city-states, and the rise and fall of Iron Age kingdoms such as Israel, Moab, and Edom.

Note: Includes a lab section.

[Ancient Near East 117. Biblical Archaeology]

Catalog Number: 1371

Lawrence E. Stager

Half course (fall term). Hours to be arranged.

Archaeology and texts, such as the Bible, used to reconstruct aspects of social, economic, and religious life (from courtier to commoner) in ancient Israel during the Iron Age.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 1422.

Includes a lab section.



[Ancient Near East 118. Syro-Palestinian Pottery]

Catalog Number: 1368

Lawrence E. Stager

Half course (fall term). Hours to be arranged.

A basic introduction to the pottery sequence of Palestine and Syria from Neolithic through Roman times, with emphasis on typological attributes having chronological significance.

Conducted in the Harvard Semitic Museum laboratory.

Note: Expected to be given in 2007–08. Includes a lab section.

Ancient Near East 120. Introduction to the Hebrew Scriptures

Catalog Number: 6544

Michael D. Coogan

Half course (fall term). F., 9–11 and additional hour weekly for a section meeting. EXAM

GROUP: 2, 3

A survey of the Hebrew Scriptures as viewed in their historical and cultural setting in the ancient Near East and as interpreted by modern scholarship, with attention to this literature as an expression of the religious thought of Israel and one of the formative influences on Western civilization.

Note: Offered jointly with the Divinity School as 1101.

Ancient Near East 122. Biblical Interpretation: Seminar

Catalog Number: 4289 Enrollment: Limited to 15.

Paul D. Hanson (Divinity School)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

The biblical Book of Isaiah will be studied with attention to its historical setting, its major theological themes, its literary qualities, and its place within the religion of ancient Israel. The class will also consider the ways in which this prophetic writing continues to influence contemporary religious and political thought and action.

Note: Offered jointly with the Divinity School as 1814.

Prerequisite: Ancient Near East 120 or equivalent.

[Ancient Near East 124. Myth and Myth-Making in the Biblical and Ancient Near Eastern World]

Catalog Number: 7859

Peter Machinist

Half course (spring term). Hours to be arranged.

An exploration of the nature and function of myth in the context of the ancient Near East. The course focuses on selected mythic texts from various Near Eastern cultures and consider them in the light of general approaches to myth developed in Western scholarship. Particular attention is given to the issue of myth in the Hebrew Bible.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 1128/3410.

[Ancient Near East 128. Jewish Apocalypticism]

Catalog Number: 8249

Paul D. Hanson (Divinity School)

Half course (fall term). Hours to be arranged.



A study of Jewish apocalyptic movements from their roots in late biblical prophesy to their flowering in Hellenistic and Roman times. Attention will be paid to the biblical and extra-biblical traditions incorporated in these texts and woven into messages addressing crises such as persecution and forced assimilation. The manner in which books like Daniel and Revelation are used by contemporary apocalyptic movements will be assessed.

Note: Expected to be given in 2007–08. All texts read in English translation. Offered jointly with the Divinity School as 1460.

Prerequisite: Ancient Near East 120 or the equivalent.

[Ancient Near East 131. Readings in the Septuagint]

Catalog Number: 3661

Richard J. Saley

Half course (fall term). Hours to be arranged.

Aims to increase facility with Septuagint Greek by reading representative portions (predominantly prose) of the Septuagint and studying the peculiarities of the grammar inductively. The fundamentals of Koine Greek will be reviewed as necessary.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 4215.

Prerequisite: One year of Greek.

Ancient Near East 132. Israelite Wisdom Literature - (New Course)

Catalog Number: 9522

Jon D. Levenson (Divinity School)

Half course (spring term). M., W., 10–11:30. EXAM GROUP: 3, 4

A close critical reading and interpretation of works thought to derive from the Wisdom tradition of ancient Israel, through the Second Temple period. After a look at Egyptian antecedents and parallels, we shall examine Proverbs, Job, Qohelet, Ben Sira, some Psalms, the Wisdom of Solomon, Fourth Maccabees, as well as narratives such as the Joseph story, Esther, and Daniel. Emphasis on matters of worldview and literary form.

Note: Offered jointly with the Divinity School as 1416.

Prerequisite: Ancient Near East 120 or the equivalent.

Ancient Near East 134. Genesis: Narrative Artistry and Theological Meanings

Catalog Number: 3291

Jon D. Levenson (Divinity School)

Half course (fall term). M., W., 10–11:30. EXAM GROUP: 3, 4

A close critical reading in English of the book of Genesis with an eye both to the storytellers' techniques and to the moral and theological dimensions of the text. Emphasis on literary and religious rather than historical and editorial issues.

Note: Offered jointly with the Divinity School as 1417.

Prerequisite: Ancient Near East 120.

[Ancient Near East 135. Biblical Theology: Hebrew Bible]

Catalog Number: 4476

Paul D. Hanson (Divinity School)

Half course (spring term). Hours to be arranged.

The theology of the Hebrew Bible studied by explicating major biblical themes (e.g., creation,



liberation, war and peace, economic justice, social reform) and then relating them to issues in the contemporary world. Attention also given to background questions such as concepts of biblical authority and hermeneutical theory.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 1150/2470.

Prerequisite: Ancient Near East 120 or equivalent.

Ancient Near East 137. The Hebrew Prophets - (New Course)

Catalog Number: 3183

Paul D. Hanson (Divinity School)

Half course (fall term). Tu., Th., 9–10:30. EXAM GROUP: 11, 12

A survey of the prophetic books of the Hebrew Bible (Old Testament) with consideration of historical setting, location within the traditions of the Hebrew Scripture, and theological themes of each book. The relevance of the prophets for contemporary theology, ethics, economics, and politics will also be discussed, with due attention to the hermeneutical problems posed in relating an ancient scriptural classic to the modern world.

Note: Offered jointly with the Divinity School as 1151.

Ancient Near East 138. The Bible and Politics

Catalog Number: 8073

Paul D. Hanson (Divinity School)

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

The course will examine political models found in the Hebrew Bible; the role of biblical traditions in the development of church-state relations in the history of the US; and the possibility of a suitable political theology within the context of contemporary religion and politics.

Note: Offered jointly with the Divinity School as 1465/2529.

Prerequisite: Ancient Near East 120 or the equivalent.

Primarily for Graduates

Ancient Near East 210. Textual Criticism of the Hebrew Bible: Seminar

Catalog Number: 5492

Richard J. Saley

Half course (fall term). Tu., 3–6. EXAM GROUP: 17, 18

Focus is on the art of recovering/reconstructing the text of the Hebrew Bible on the basis of Hebrew and Greek manuscripts as well as other early textual witnesses.

Note: Offered jointly with the Divinity School as 1819.

Prerequisite: At least two years of Hebrew and one year of Greek; some knowledge of Aramaic, Latin, and Syriac is beneficial but not required.

***Ancient Near East 215r. Problems in the Archaeology of Bronze and Iron Age Levant: Seminar**

Catalog Number: 2960

Lawrence E. Stager

Half course (fall term). F., 3–5. EXAM GROUP: 8, 9



Topic for 2006-07: To be announced.

Note: Conducted in the Harvard Semitic Museum Laboratory.

[Ancient Near East 222. History of the Study of the Hebrew Bible: From the Renaissance to the Present: Seminar]

Catalog Number: 8086

Peter Machinist

Half course (spring term). Hours to be arranged.

Surveys Hebrew biblical scholarship since the Renaissance, focusing on particular scholars and their representative and seminal works. The central theme is the emergence of and reactions to a historical-critical understanding of the Bible.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 1425.

Prerequisite: A background in the study of the Hebrew Bible. Also, Biblical Hebrew and at least one of the following: French, German, and Modern Hebrew.

Ancient Near East 236. Biblical Theology: Seminar

Catalog Number: 7022 Enrollment: Limited to 12.

Paul D. Hanson (Divinity School)

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

An examination of resources within the Bible for the construction of contemporary political theology.

Note: Offered jointly with the Divinity School as 1801/2471.

Prerequisite: Introductory level knowledge of the Bible and/or political science.

Cross-listed Courses

History of Art and Architecture 13h. Foundations of Early Civilization: An Introduction to the Art of Ancient Mesopotamia

***History of Art and Architecture 137. Cross-Cultural Aesthetics: Proseminar**

***History of Art and Architecture 232. Assyrian Reliefs and the Decorative Programs of Assyrian Palaces**

Literature and Arts A-53. “Athens and Jerusalem”: Self and Other in Classical Greek and Hebrew Literature

[Literature and Arts A-70. The Book of Job and the Joban Tradition]

Literature and Arts C-70. From the Hebrew Bible to Judaism, From the Old Testament to Christianity

Graduate Courses of Reading and Research

***Ancient Near East 310. Reading and Research in Ancient Near Eastern Archaeology**

Catalog Number: 4264

Lawrence E. Stager 1468

***Ancient Near East 320. Reading and Research in Ancient Mesopotamian Civilization**

Catalog Number: 5678

John Huehnergard 7697, Peter Machinist 2812, and Piotr Steinkeller 7337



***Ancient Near East 330. Reading and Research in Biblical Studies**

Catalog Number: 1524

J. F. Coakley 3409, Jo Ann Hackett 2389, Paul D. Hanson (Divinity School) 1394 (on leave fall term), Jon D. Levenson (Divinity School) 2264, Peter Machinist 2812, and Lawrence E. Stager 1468

Postbiblical Jewish Studies

See also below under Aramaic, Hebrew, and Yiddish.

For Undergraduates and Graduates

Jewish Studies 104. Introduction to Yiddish Culture

Catalog Number: 8611

Yuri Vedenyapin

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

An exploration of a thousand years of European Jewish culture through its vernacular, Yiddish. Topics covered will demonstrate the geographical, intellectual, and artistic breadth of this culture, and will include the history of the Yiddish language, selections of pre-modern and modern Yiddish literature, folklore, the press, film, theater, klezmer music, and song.

Note: Course readings and lectures will be in English.

[Jewish Studies 110. Modern Jewish Religious Movements]

Catalog Number: 0214

Jay M. Harris

Half course (spring term). Hours to be arranged.

A study of the various forms of Judaism that have emerged in the last two centuries. Examination of the Reform, Orthodox, Conservative, and Reconstructionist movements, as well as Hasidism and its opposition. Emphasis is on institutions, ideology, and significant figures.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3681.

[Jewish Studies 111. Modern Jewish Thought]

Catalog Number: 5461

Jay M. Harris

Half course (spring term). Hours to be arranged.

A study of significant Jewish thinkers in the modern period and their reflections on the past and present meaning of Judaism. All thinkers studied against the background of premodern Jewish thought and the challenges posed by modern Western philosophical systems.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3682.

[Jewish Studies 114. History versus Literature in Modern Jewish Texts]

Catalog Number: 3527

Avi Matalon

Half course (fall term). Hours to be arranged.



Examines the treatment of history in modern Jewish and Israeli literature.

Note: Expected to be given in 2007–08.

Jewish Studies 116. Jewish Identities in Antiquity: Permutations and Transformations - (New Course)

Catalog Number: 2169

Lee I. A. Levine (Hebrew University of Jerusalem)

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

Jewish history in antiquity (ca. 1200 BCE to the seventh century CE) witnessed enormous changes in every aspect of Jewish life. Questions of identity thus arose owing to increased exposure to other cultures, and to dramatic internal developments, such as the emergence of the Hasmonean state and the destruction of the Jerusalem Temples, further contributed to changes in Jewish life. This course will explore the effects of these upheavals on Jewish identity, thought, and practice.

Note: Offered jointly with the Divinity School as 3672.

Prerequisite: An introductory course in ancient Jewish history would be helpful but is not required.

Jewish Studies 139. Jewish Literature in the Islamic World, 650–1300 - (New Course)

Catalog Number: 0589

Raymond P. Scheindlin (Jewish Theological Seminary)

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

Jewish scholarship and literature flourished during the period when the western world was dominated by Arabic and Islamic culture. We will see Jewish literary culture and religious sensibility responding to the Arabo-Islamic environment by studying the respective roles of Hebrew and Arabic among Jews; the concept of literature; the impact of Islamic humanism, pietism and mysticism; and of Arabic poetry. Readings from Saadia, Samuel the Nagid, Ibn Gabirol, Ibn Paquda, Judah Halevi, Maimonides, Abraham Maimuni.

Note: Offered jointly with the Divinity School as 3674.

[Jewish Studies 140. Deconstruction and Questions of Jewish Identity: Seminar]

Catalog Number: 2198

Avi Matalon

Half course (fall term). Hours to be arranged.

Examines the work of philosopher Jacques Derrida (1930–2004) and the method of deconstruction. Focuses on Derrida's writings that touch on questions of identity, as developed in his prolific career.

Note: Expected to be given in 2007–08.

Jewish Studies 141. Jewish Society and Culture in Early Modern Europe - (New Course)

Catalog Number: 8620

Rachel L. Greenblatt

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

The advent of print, the Protestant challenge to the Roman Catholic church, increasing use of the written vernacular, a blossoming of interest in different and exotic peoples—these and additional developments transformed Europe in the period from about 1500 to 1750. This course uses



written and graphic primary sources to examine the place of these developments in Jewish society and culture, in the context of the history and historiography of Christian Europe.

Jewish Studies 142. Gender Roles and the Role of Gender: Jewish Society in Medieval and Early Modern Europe - (New Course)

Catalog Number: 9838

Rachel L. Greenblatt

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Examines the ideal image of the Jewish woman and the Jewish man (in Jewish eyes) alongside the reality of women's and men's lives in European Jewish society, beginning in the Middle Ages and continuing up to approximately the late eighteenth century, when Jewish women hosted salons in Old Regime Berlin. Topics to be considered include synagogue participation and other forms of prayer, business practices, learning and reading, family life and life cycle rituals.

Jewish Studies 150. Zionism and the State of Israel - (New Course)

Catalog Number: 7579

Derek Penslar (University of Toronto)

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Survey of the history of the Zionist movement, Jewish nation-building in Palestine, and the state of Israel from the 1880s to the present. Course will offer a chronological narrative and employ a comparative conceptual framework. Continuities and ruptures between Zionism and previous and parallel forms of Jewish sensibility will be explored. It will compare Zionism with other forms of nationalism in the modern world and examine the relationship between Israeli and Palestinian Arab history.

Jewish Studies 151. Power and Identity in Modern Jewish History - (New Course)

Catalog Number: 0587

Derek Penslar (University of Toronto)

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Explores Jewish conceptions and practices of power in modern times. Although the Zionist movement and state of Israel will receive due attention, this course will illuminate the numerous avenues of Jewish political, economic, cultural and military power that developed in the modern diaspora. The course will thus offer fresh perspectives on the context out of which modern Zionism emerged and the tension between perceptions and realities in the formation of modern Jewish self-images.

Cross-listed Courses

[Foreign Cultures 56. Jewish Life in Eastern Europe]

***Freshman Seminar 45v. Cemetery as History: Jewish Burial Places and Their Christian Context in Europe and North America - (New Course)**

Historical Study A-44. Jews in Modern Times: From the French Revolution to the Emergence of Israel

History 1150. The Jews in Muslim and Christian Spain

[Literature 153 (formerly Comparative Literature 153). Saul Bellow's Planet]

Literature 166 (formerly Comparative Literature 166). The Comic Tradition in Jewish



Culture

[Literature and Arts A-48. Modern Jewish Literature]

[Religion 1212a. Judaism: The Liturgical Year]

[Religion 1212b. Judaism: The Liturgical Year]

[Religion 1260. Midrash: Jewish Biblical Interpretation in the Rabbinic Period]

Primarily for Graduates

*Jewish Studies 200r. Guided Readings in Jewish History

Catalog Number: 4478

Shaye J.D. Cohen

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Topic for 2006-07: Boundaries and Identities. Readings of Jewish texts, ancient to modern, that deal with the question of the Other and the Self: what is the boundary between Jews and non-Jews, and between Judaism and non-Judaism?

Note: Required of all entering graduate students in Jewish Studies; open to others with the permission of the instructor.

Jewish Studies 206. The Origins of Rabbinic Law - (New Course)

Catalog Number: 2808

Shaye J.D. Cohen

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

A study of the emergence of Jewish law in antiquity. The goal of the seminar is to identify pre-Mishnaic attestations for legal principles and rulings found in the Mishnah.

Note: Open to undergraduates with the permission of the instructor. Offered jointly with the Divinity School as 3935.

Prerequisite: Ability to read the Gospel of Matthew in Greek *or* the ability to read Mishnaic Hebrew, preferably both.

Jewish Studies 207. Visual Judaism: History, Art, and Identity in Late Antiquity - (New Course)

Catalog Number: 4776

Lee I. A. Levine (Hebrew University of Jerusalem)

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Jewish life in Late Antiquity was both threatened and enriched by Byzantine-Christian rule. This course will address the challenges of this historical context and Jewish responses, focusing primarily on the art that now flourished.

Note: Offered jointly with the Divinity School as 3673. Open to qualified undergraduates.

Prerequisite: Some background in Jewish history and/or art of this period is desirable.

Jewish Studies 215. Does Glikl Stand Alone? Jewish Autobiographical Writing, 14th - 19th Centuries - (New Course)

Catalog Number: 9047

Rachel L. Greenblatt

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Weekly readings of Hebrew and early Yiddish writings about the self as they appear in a variety



of literary genres, alongside recent scholarly literature on "Ego-documents" and Jewish autobiography.

Prerequisite: Ability to read Hebrew texts or the permission of instructor.

Graduate Courses of Reading and Research

***Jewish Studies 300. Reading and Research in Postbiblical Jewish Studies**

Catalog Number: 1544

Shaye J.D. Cohen 4180, Rachel L. Greenblatt 5537 (spring term only), Jay M. Harris 2266, Bernard Septimus 7160, and Ruth R. Wisse 3177 (on leave spring term)

Early Iranian Civilizations

For Undergraduates and Graduates

See also below under Arabic, Aramaic, and Iranian.

Early Iranian Civilizations 102. Old Iranian Religion/Zoroastrianism

Catalog Number: 5408

P. Oktor Skjaervo

Half course (spring term). F., 1–3. EXAM GROUP: 6, 7

Introduction to and readings in Mazdaism/Zoroastrianism (on the basis of translated texts).

Note: Offered jointly with the Divinity School as 3663a.

Early Iranian Civilizations 103. Manicheism

Catalog Number: 2604

P. Oktor Skjaervo

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

Introduction to and readings in Iranian Manicheism (on the basis of translated texts).

Note: Offered jointly with the Divinity School as 3580.

Islamic Civilizations

See also below under Arabic, Iranian, and Turkish.

For Undergraduates and Graduates

[Islamic Civilizations 120. The Muslim Mediterranean City]

Catalog Number: 0686

Susan G. Miller

Half course (fall term). Hours to be arranged.

Cities have defined Mediterranean culture for thousands of years. Using sources from medieval times to the present, the interaction between urban form and social practice is traced against the background of an encompassing Islamic culture. Topics include theories about Islam and urbanism, the city as sacred space, modernism and the making of the colonial city, the



contemporary city and the literary imagination, and the city in the age of globalization.

Note: Expected to be given in 2007–08. Offered jointly with the Graduate School of Design as 4118.

Islamic Civilizations 123. Colonialism and After in the Maghrib

Catalog Number: 2664

Susan G. Miller

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

A survey of North African history in the nineteenth and twentieth centuries, focusing on the political, social and cultural transformations brought about through the encounter with the West. Colonialism and its impact, the struggle over language and cultural identity, the role of minority politics, the Algerian revolution and civil war, the role of public intellectuals and the new Maghribi historiography are some of the topics covered.

Islamic Civilizations 124. Central Asian Culture and Society

Catalog Number: 3927

John S. Schoeberlein

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Explores the diversity and continuity in contemporary Central Asian culture and society and their historical roots. Course readings draw on diverse sources from travelers' and ethnographic accounts to indigenous traditions and Western analyses. Topics include principles of social order and cultural values stemming from nomadic traditions, Islamic civilizations, nationalist movements and the Soviet system. Particular attention is devoted to post-Soviet developments and the challenges of social transformation and potential conflict facing the region.

Note: Primarily for advanced undergraduates and graduate students; some background in the Near East and/or the former Soviet Union is desirable.

Islamic Civilizations 145. Introduction to Islamic Philosophy and Theology

Catalog Number: 0292

Khaled El-Rouayheb

Half course (fall term). Th., 3–5 and a weekly section to be arranged. EXAM GROUP: 17, 18

An introductory survey of the development of Islamic theology and philosophy. We will examine and discuss some of the central problems that were much debated through the centuries, such as: the relationship between philosophy and faith; whether humans possess free will; how to understand apparently anthropomorphic expressions in Scripture; whether acts are good because God commands them or God commands them because they are good; and proofs for the existence of God.

Note: Offered jointly with the Divinity School as 3602.

[Islamic Civilizations 160. The Meanings of Islam in Central Asia]

Catalog Number: 8678

John S. Schoeberlein

Half course (spring term). Hours to be arranged.

Examines the changing role of Islam in Central Asia through history from a multidisciplinary perspective. Considers the diversity and multi-dimensionality of Islam as it influences social, cultural, political and religious life. Themes include: Islam and social order; Islam under Russian



and Communist rule; Sufism, modernist Islam, "fundamentalism" and other forms of belief and practice; and the dynamic new role of Islam in the region following independence in 1991.

Note: Expected to be given in 2007–08. Intended primarily for advanced undergraduates and graduate students; some background in Islam and/or the former Soviet Bloc desirable.

Primarily for Graduates

[*Islamic Civilizations 241r. Approaches to Studying Indo-Muslim Culture and South Asian Islam](#)

Catalog Number: 7515

Ali S. Asani

Half course (fall term; repeated spring term). Hours to be arranged.

A seminar for graduate students focusing on current scholarship on Islamic civilization in South Asia.

Note: Open to undergraduates with a background in Islamic or South Asian studies.

Prerequisite: Introductory coursework on Islam, Religion 1820 or equivalent.

Cross-listed Courses

[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies](#)

[Foreign Cultures 82. Modern Arabic Narratives: Self, Society, and Culture](#)

[*Freshman Seminar 37y. Muslim Voices in Contemporary World Literatures]

[Historical Study A-40. The Middle East and Europe since the Crusades: Relations and Perceptions]

[History 1877a. History of the Near East, 600-1055](#)

[History 1877b. History of the Near East, 1055-1517: Conference Course](#)

[History 1878b. Ottoman State and Society II \(1550-1920\)](#)

[History 1886. Protest and the City in the Middle East and Europe: Conference Course] -
(*New Course*)

[History 2884. Topics in Ottoman Social and Cultural History: Seminar](#)

[History 2886. Topics in Islamic History: Seminar](#)

[*History of Art and Architecture 124z. Architecture and Dynastic Legitimacy: The Early Modern Islamic Empires (1450-1650)]

[*History of Art and Architecture 224m. Drawing in the Pre-Modern Islamic World]

[Humanities 18 (formerly Religion 1801). For the Love of God and His Prophet: Religion, Literature, and the Arts in Muslim Cultures]

[Literature and Arts B-35. The Age of Sultan Suleyman the Magnificent: Art, Architecture, and Ceremonial at the Ottoman Court]

[Religion 1802 \(formerly Religion 1555\). Introduction to Islamic Mysticism: The Sufi Tradition](#)

[Religion 1806. The Vocabulary of Islam - \(New Course\)](#)

[Religion 1810. Representations of the Prophet Muhammad through History: Seminar]

[*Religion 1820 (formerly *Religion 1585). Islam in South Asia: Religion, Culture, and Identity in South Asian Muslim Societies]

Graduate Courses of Reading and Research



***Islamic Civilizations 300. Reading and Research in Islamic Civilizations**

Catalog Number: 1963

M. Shahab Ahmed 5273, Ali S. Asani 7739, Khaled El-Rouayheb 5536 (spring term only), William A. Graham, Jr. 4156, William E. Granara 1054, Wolfhart P. Heinrichs 4988, Baber Johansen (Divinity School) 5295 (spring term only), and Wheeler M. Thackston, Jr. 4004 (on leave fall term) (fall term only)

***Islamic Civilizations 350. Reading and Research in Ottoman History and Literature**

Catalog Number: 4084

Armenian Studies

See also below under Armenian.

For Undergraduates and Graduates

[Armenian Studies 100. Armenian Epic](#)

Catalog Number: 2576

James R. Russell

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Reading in translation of *The Wild Men of Sasun*, with analysis of native historical and mythological sources, and thematic comparison to epic poetry of the neighboring Iranians (Ossetic *Narts*, Persian *Shah-nameh*, Kurdish epic songs), Turks (*Dede Korkut*), and Greeks (*Digenes Akrites*).

[Armenian Studies 105. Survey of 19th and 20th Century Armenian Poetry: From Romantics to Revolutionaries](#)

Catalog Number: 3496

James R. Russell

Half course (spring term). Hours to be arranged.

A survey of the great innovators and visionaries: Bedros Tourian, Misak Medzarents, Yeghia Demirjibashian, Daniel Varouzhan, Siamanto, Vahan Teryan, Yeghishe Charents, and their English, Russian, and French colleagues and translators. The course spans the fateful epoch from the mid-19th century to the aftermath of the Russian Revolution.

Note: Knowledge of Armenian preferred but not required.

Primarily for Graduates

Graduate Courses of Reading and Research

***Armenian Studies 300. Reading and Research in Armenian Studies**

Catalog Number: 1740

James R. Russell 3411



Akkadian and Sumerian

See also above under Ancient Near Eastern and Biblical Studies.

Akkadian

For Undergraduates and Graduates

[Akkadian A. Elementary Akkadian](#)

Catalog Number: 4891

Andrea Seri

Full course (indivisible). M., W., F., at 9. EXAM GROUP: 2

Introduction to the fundamentals of Akkadian grammar and the most commonly encountered Neo-Assyrian cuneiform signs.

[Akkadian 120. Intermediate Akkadian](#)

Catalog Number: 3724

Andrea Seri

Full course (indivisible). M., W., at 11, and one additional hour to be arranged. EXAM GROUP: 4

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

[Akkadian 142. Akkadian Hymns and Prayers]

Catalog Number: 6387

Andrea Seri

Half course (spring term). Hours to be arranged.

Readings from the various genres of Akkadian hymns and prayers, with particular emphasis on the genre of *shuilla* prayers. In the course of the term, students are expected to master the style and vocabulary of these texts, as well as to learn how to reconstruct a text from several manuscripts.

Note: Expected to be given in 2007–08.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

[Akkadian 144. Akkadian Divination Texts]

Catalog Number: 6734

Piotr Steinkeller

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2007–08.

[Akkadian 149. Akkadian Legal and Economic Texts](#)

Catalog Number: 6703

Piotr Steinkeller

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.



Akkadian 152. Texts and History of Imperial Assyria

Catalog Number: 3226

Peter Machinist

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Readings and analysis of a variety of texts from the Neo-Assyrian period illustrating issues in Assyrian imperial history, culture, and language.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of a cuneiform script.

[Akkadian 154a. Peripheral Akkadian]

Catalog Number: 2416

Piotr Steinkeller

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2007–08.

Prerequisite: Two full courses in Akkadian.

Akkadian 155r. Akkadian Historical Grammar and Dialectology

Catalog Number: 0232

John Huehnergard

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Prerequisite: Two full courses in Akkadian.

Primarily for Graduates

Akkadian 200r. Readings in Akkadian: Seminar

Catalog Number: 2970

Piotr Steinkeller

Half course (spring term). Hours to be arranged.

Graduate Courses of Reading and Research

***Akkadian 300. Akkadian Language and Literature**

Catalog Number: 2233

John Huehnergard 7697, Peter Machinist 2812, and Piotr Steinkeller 7337

Sumerian

For Undergraduates and Graduates

Sumerian A. Elementary Sumerian

Catalog Number: 5260

Piotr Steinkeller

Full course (indivisible). Hours to be arranged.

Introduction to the Sumerian language with emphasis on grammatical structure.

[Sumerian 120. Intermediate Sumerian]

Catalog Number: 7399



Piotr Steinkeller and assistant

Full course (indivisible). Hours to be arranged.

Note: Expected to be given in 2007–08.

Prerequisite: Knowledge of basic Sumerian grammar, vocabulary, and cuneiform script.

Sumerian 141. Sumerian Myths and Epics - (New Course)

Catalog Number: 9858

Piotr Steinkeller

Half course (fall term). Hours to be arranged.

[Sumerian 145. Sumerian Incantations and Rituals]

Catalog Number: 5259

Piotr Steinkeller

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2007–08.

Sumerian 146. Sumerian Religious Literature

Catalog Number: 2605

Piotr Steinkeller

Half course (spring term). Hours to be arranged.

[Sumerian 149. Sumerian Legal and Economic Texts]

Catalog Number: 8820

Piotr Steinkeller

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2007–08.

Primarily for Graduates

Sumerian 200r. Readings in Sumerian: Seminar

Catalog Number: 7496

Piotr Steinkeller

Half course (spring term). Hours to be arranged.

Cross-listed Courses

[Linguistics 225a. Introduction to Hittite]

[Linguistics 226r. Advanced Hittite]

Graduate Courses of Reading and Research

***Sumerian 300. Sumerian Language and Literature**

Catalog Number: 7912

Piotr Steinkeller 7337

Arabic



See also Islamic Civilizations.

For Undergraduates and Graduates

Arabic A. Elementary Arabic

Catalog Number: 5773

Mostafa Atamnia and staff

Full course (indivisible). Sections M. through F., at 9, 10, or 12. EXAM GROUP: 2, 11

Introduces students to the phonology and script of classical/modern standard Arabic and covers the basic morphology and syntax of the written language. Emphasis on the development of the four skills (reading, speaking, listening, and writing) at the earliest stages. Samples of modern (contemporary) and classical styles of writing introduced into basic syllabus, and audio-visual material from the contemporary Arabic media.

Note: Not open to auditors. Cannot be taken pass/fail. Cannot divide for credit. Offered jointly with the Divinity School as 4350.

Arabic 120a. Intermediate Classical Arabic I

Catalog Number: 1106

William E. Granara and staff

Half course (fall term). M. through F., at 10. EXAM GROUP: 3, 12

A thorough review of classical Arabic grammar with emphasis on reading and writing, with some discussion in Arabic in class for vocabulary and structure reinforcement. Readings focus on medieval Arabic historiography: biographical dictionaries, chronicles, and geography/"travel" literature. Contemporary texts dealing with "classical" themes will form part of the syllabus to help students develop better reading fluency.

Note: Not open to auditors. Cannot be taken pass/fail. Offered jointly with the Divinity School as 4351.

Prerequisite: Arabic A or equivalent.

Arabic 120b. Intermediate Classical Arabic II

Catalog Number: 0597

William E. Granara and staff

Half course (spring term). M. through F., at 10. EXAM GROUP: 3, 12

Continuation of Arabic 120a.

Note: Not open to auditors. Cannot be taken pass/fail. Offered jointly with the Divinity School as 4352.

Prerequisite: Arabic 120a or equivalent.

Arabic 121a. Intermediate Modern Arabic I

Catalog Number: 0973

William E. Granara and staff

Half course (fall term). Sections I & II: M. through F., at 11; Section III: M. through F., at 12. EXAM GROUP: 4, 13

A continuation of Elementary Arabic with equal emphasis on speaking, reading, oral, and aural skills. Selections from contemporary Arabic media are introduced and serve as bases for reading



and conversation.

Note: Not open to auditors. Cannot be taken pass/fail. Offered jointly with the Divinity School as 4361.

Prerequisite: Arabic A or equivalent.

Arabic 121b. Intermediate Modern Arabic II

Catalog Number: 0685

William E. Granara and staff

Half course (spring term). Sections I & II: M. through F., at 11; Section III: M. through F., at 12. EXAM GROUP: 4, 13

A continuation of Arabic 121a.

Note: Not open to auditors. Cannot be taken pass/fail. Offered jointly with the Divinity School as 4362.

Prerequisite: Arabic 121a or equivalent.

Arabic 130a. Advanced Classical Arabic I

Catalog Number: 4591

Khaled El-Rouayheb

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Concentration on readings from classical Islamic texts, with emphasis on Qur'an, *hadîth*, *sîra*, and *tafsîr* literature; directed readings and textual analysis; review of classical Arabic morphology and syntax.

Note: Not open to auditors. Offered jointly with the Divinity School as 4353.

Prerequisite: Arabic 120b or equivalent.

Arabic 130b. Advanced Classical Arabic II

Catalog Number: 2964

Khaled El-Rouayheb

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Continuation of Arabic 130a or may be taken separately with permission of the instructor.

Readings from corpus of “Adab” (Belles-Lettres) literature, as well as various pieces of classical Arabic poetry.

Note: Not open to auditors. Offered jointly with the Divinity School as 4354.

Prerequisite: Arabic 130a or equivalent.

Arabic 131a. Advanced Modern Arabic I

Catalog Number: 0739

Khaled Al-Masri and staff

Half course (fall term). M. through Th., at 1. EXAM GROUP: 6, 15

Reading and discussion of selections from Arabic newspapers and journals on contemporary political, social, religious, and cultural issues in the Arab world. Emphasis on developing advanced reading and speaking skills, with some attention to writing and listening comprehension.

Note: Not open to auditors. Offered jointly with the Divinity School as 4363.

Prerequisite: Arabic 121b or equivalent.



Arabic 131b. Advanced Modern Arabic II

Catalog Number: 0697

Khaled Al-Masri and staff

Half course (spring term). M. through Th., at 12; M. through Th., at 1. EXAM GROUP: 6, 15

A continuation of Arabic 131a or may be taken separately with permission of the instructor.

Continued emphasis on advanced reading and speaking skills, and introduction to contemporary Arabic fiction, with emphasis on short stories and novellas.

Note: Not open to auditors. Offered jointly with the Divinity School as 4364.

Prerequisite: Arabic 131a or equivalent.

Arabic 133. Advanced Spoken Modern Standard Arabic

Catalog Number: 4747

Carl Sharif El-Tobgui

Half course (fall term). M., W., 3–5. EXAM GROUP: 8, 9

This course emphasizes the development of advanced speaking and listening skills by exposing students to the Arabic of the contemporary media. Some reading and writing will be required, but classes will revolve around oral presentations and directed conversations.

Note: Not open to auditors.

Prerequisite: Two years of Standard Arabic or the equivalent.

Arabic 134. Colloquial Levantine Arabic - (New Course)

Catalog Number: 4154

Khaled Al-Masri

Half course (spring term). M., W., 3–5. EXAM GROUP: 8, 9

Introduces students to Colloquial Levantine Arabic of Lebanon, Syria, Jordan, and Israel/Palestine.

Note: Not open to auditors.

Prerequisite: At least two years of Standard Arabic or the equivalent, or by permission of the instructor.

[Arabic 135. Colloquial Egyptian Arabic]

Catalog Number: 4454

William E. Granara

Half course (spring term). Hours to be arranged.

Introduces students to Egyptian Arabic, the most widely recognized dialect in the Arab world. The course emphasizes the development of speaking and listening skills through the reinforcement of grammar and vocabulary.

Note: Expected to be given in 2007–08. Not open to auditors.

Prerequisite: At least two years of Standard Arabic or the equivalent, or by permission of the instructor.

[Arabic 146r. History of the Arabic Languages]

Catalog Number: 8526

Wolfhart P. Heinrichs

Half course (spring term). Hours to be arranged.

A presentation of the linguistic and cultural history of the various forms of Arabic, including Old



North Arabian, Early Classical Arabic (pre-Islamic poetry and Koran), medieval Islamic Arabic, Middle Arabic (with Judeo-Arabic) and the dialects.

Note: Expected to be given in 2007–08.

Prerequisite: Two years of Arabic or equivalent.

Arabic 149. Women and Gender in Classical Islamic Societies - (New Course)

Catalog Number: 3812

Nadia Cheikh

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

This course investigates the history of women and gender relations in early Islamic societies. It examines theoretical underpinnings of gender construction and analyzes ways Muslim culture defined women's place and gender relations in classical Islam as well as ways women themselves complied to or resist these definitions. Emphasis is placed on examining women's roles, images and experiences in social, political, economic and legal contexts.

Note: Knowledge of Arabic not required; open to all interested undergraduates.

Arabic 150r. History of Classical Arabic Literature

Catalog Number: 7759

Wolfhart P. Heinrichs

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Overview of Classical Arabic literature, including reading and discussion of selected texts.

Note: Knowledge of Arabic advantageous but not required. An additional hour may be set aside for reading in the originals.

[Arabic 158. Modern Arabic Literature: Seminar]

Catalog Number: 5145

William E. Granara

Half course (fall term). Hours to be arranged.

Topic for 2007-08: Autobiography and the Novel.

Note: Expected to be given in 2007–08. Arabic helpful but not required.

[Arabic 159. Memory and Memorialization in Modern Arabic Literature and History: Seminar] - (New Course)

Catalog Number: 8890

Dana Sajdi

Half course (spring term). W., 2–5. EXAM GROUP: 7, 8, 9

Treats the historical and literary texts to examine the motives, methods, and politics of memory construction in different periods of Arabo-Islamic history. It deals with various genres from the chronicle, to the diary, to biography, to poetry, to the novel to illuminate not only aspects of individual and collective identities and aspirations, but also power struggles implied in acts of memory.

Note: Expected to be given in 2007–08. Arabic helpful but not required.

Prerequisite: Some introductory knowledge of the history and culture of the Modern Middle East preferable.



Arabic 160r. Readings in Arabic Historians, Geographers, and Biographers

Catalog Number: 5617

Roy Mottahedeh

Half course (fall term). Hours to be arranged.

Primarily for Graduates

Arabic 211. Readings in Contemporary Arabic and Islamic Thought: Seminar - (New Course)

Catalog Number: 2230

Nadia Cheikh

Half course (spring term). Hours to be arranged.

This course studies texts by major Arab intellectuals on a variety of topics pertaining to issues and problems relevant to the contemporary Arabic and Islamic world. Students are expected to engage in debates, give oral presentations, and write short reaction papers. Emphasis on communication skills in both the oral and written forms. Readings include selections from the writings of Muhammad Abid al-Jabiri, Radwan al-Sayyid, Sadiq Jalal al-Adhm, Jalal Amin, Hisham Djait, and Abdallah al-Arawi.

Note: Conducted in Arabic: advanced proficiency in Arabic required; open to upper level undergraduates.

[Arabic 230a. Hadith I: Seminar]

Catalog Number: 4223 Enrollment: Limited to 12.

M. Shahab Ahmed

Half course (fall term). Hours to be arranged.

An introduction to the Hadith literature, its historical development, its content, and its religious and cultural significance in Islam, through readings from the major Hadith collections, *'ulum al-hadith* works, biographical dictionaries, and modern scholarship.

Note: Expected to be given in 2007–08. Not open to auditors. Offered jointly with the Divinity School as 3974.

Prerequisite: Advanced proficiency in Arabic.

[Arabic 230b. Hadith II: Seminar]

Catalog Number: 4362 Enrollment: Limited to 12.

M. Shahab Ahmed

Half course (spring term). Hours to be arranged.

Readings from the debate, conducted both in the Western academy and in Muslim discourses, from the 19th century to today, over the authenticity and reliability of the Hadith corpus, and of the early Muslim historical tradition at large.

Note: Expected to be given in 2007–08. Not open to auditors. Offered jointly with the Divinity School as 3975.

Prerequisite: Arabic 230a and advanced proficiency in Arabic.

Arabic 231a. Qur'an I: Seminar

Catalog Number: 8707 Enrollment: Limited to 12.

M. Shahab Ahmed



Half course (fall term). M., 2–5. EXAM GROUP: 7, 8

An introduction to the text of the Quran and the historical development of Quranic exegesis, through a reading of tafsir and *'ulum al-quran* works dating from early Islam to the modern period.

Note: Not open to auditors. Offered jointly with the Divinity School as 3976.

Prerequisite: Advanced proficiency in Arabic.

Arabic 231b. Qur'an II: Seminar

Catalog Number: 0619 Enrollment: Limited to 12.

M. Shahab Ahmed

Half course (spring term). M., 2–5. EXAM GROUP: 7, 8

Continuation of Arabic 231a.

Note: Not open to auditors. Offered jointly with the Divinity School as 3977.

Prerequisite: Arabic 231a and advanced proficiency in Arabic.

Arabic 240r. Classical Arabic Philology

Catalog Number: 5920

Wolfhart P. Heinrichs

Full course (indivisible). Tu., 2–4. EXAM GROUP: 16, 17

Arabic philology, including discussion of difficult grammatical problems, introduction to manuscript and editorial work, and readings from the *'ulûm al-lughâ* (fall) and *'ulûm al-dîn* (spring).

Note: This constitutes the fourth and final year of the Classical Arabic track.

Arabic 241ar (formerly Arabic 241a). Modern Arabic Literature and Culture

Catalog Number: 3309

Khaled Al-Masri

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

This constitutes the final year of Modern Arabic track. Representative readings from contemporary literature and culture will form bases of discussions on major themes in contemporary Arab society.

Note: Conducted in Arabic. Not open to auditors.

Prerequisite: Advanced proficiency in Arabic.

Arabic 241br (formerly Arabic 241b). Modern Arabic Literature and Culture

Catalog Number: 6399

Khaled Al-Masri

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

A continuation of Arabic 241ar.

Note: Conducted in Arabic. Not open to auditors.

Arabic 242. Selected Topics in Modern Arabic Literature and Literary Criticism: Seminar

Catalog Number: 1913

William E. Granara

Half course (fall term). Hours to be arranged.



Topic for 2006-07: To be announced.
Prerequisite: Advanced proficiency in Arabic.

[Arabic 245r. Classical Arabic Literature: Seminar]

Catalog Number: 4854
Wolfhart P. Heinrichs
Half course (fall term). Hours to be arranged.
Topic for 2007-08: To be announced.
Note: Expected to be given in 2007–08.
Prerequisite: Reading knowledge of Arabic.

Arabic 246r. Andalus, Sicily, and the Maghrib in Literary and Cultural Texts: Seminar

Catalog Number: 6196
William E. Granara
Half course (spring term). Hours to be arranged.
Literary and historical texts of the Arabo-Islamic cultures of Spain (*al-Andalus*), Sicily, and North Africa. Examines the emergence of a "Maghribi" identity amidst cross-cultural relations with the Christian North and the Muslim East.
Prerequisite: Three years of Arabic, or permission from the instructor.

Arabic 248r. Medieval Arabic Writings on Grammar: Seminar

Catalog Number: 1440
Wolfhart P. Heinrichs
Half course (fall term). W., 2–4. EXAM GROUP: 7, 8
Introduction to the study of the medieval Arabic disciplines dealing with language. Discussion of selected topics on the basis of text readings and recent secondary literature.
Prerequisite: Reading knowledge of Arabic.

Arabic 258. Medieval Arabic Logic: Seminar - (New Course)

Catalog Number: 0756
Khaled El-Rouayheb
Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18
Reading and discussion of selected texts from Arabic works on logic from the 10th to the 13th centuries.
Prerequisite: Reading knowledge of Arabic.

Cross-listed Courses

Comparative Literature 263. Journey, Exile, and Displacement in Modern Arabic Literature - (New Course)

[Religion 2840. Ibn Taymiyyah and His Times: Seminar]

Graduate Courses of Reading and Research

***Arabic 300. Reading and Research in Arabic Language and Civilization**
Catalog Number: 7828



M. Shahab Ahmed 5273, Khaled El-Rouayheb 5536 (spring term only), William A. Graham, Jr. 4156, William E. Granara 1054, Wolfhart P. Heinrichs 4988, Roy Mottahedeh 1454, and Wheeler M. Thackston, Jr. 4004 (on leave fall term) (fall term only)

***Arabic 320. Reading and Research in Modern Arabic Literature and Literary Criticism**

Catalog Number: 9167

William E. Granara 1054

Aramaic

For Undergraduates and Graduates

See also Ancient Near East and Biblical Studies, Jewish Studies, and Early Iranian Civilizations.

[Aramaic A. Introduction to Targumic Aramaic]

Catalog Number: 5985

John Huehnergard and assistant

Half course (fall term). Hours to be arranged.

An introduction to the grammar of the Aramaic of Targum Onqelos.

Note: Expected to be given in 2008–09. No previous knowledge of any Semitic language is assumed.

[Aramaic C. Elementary Syriac]

Catalog Number: 3494

J. F. Coakley

Full course (indivisible). Hours to be arranged.

Basic Syriac grammar and syntax, with selected readings from the Syriac Bible and other early texts.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 4109.

[Aramaic 124a. Readings in Syriac I](#)

Catalog Number: 5557

J. F. Coakley

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Historical and theological texts, and early poetry.

Note: Offered jointly with the Divinity School as 4112.

Prerequisite: Aramaic C or equivalent.

[Aramaic 124b. Readings in Syriac II](#)

Catalog Number: 0103

J. F. Coakley

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Special attention to exegetical texts and to reading manuscripts.

Note: Offered jointly with the Divinity School as 4113.

Prerequisite: Aramaic C or equivalent.



Aramaic 125a. Aramaic Dialects I - (New Course)

Catalog Number: 0378

John Huehnergard and assistant

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

A survey of Aramaic dialects of the first millenium BCE.

Note: First meeting on Tuesday, September 19, 12–2.

Prerequisite: Aramaic A or Aramaic C or equivalent.

Aramaic 125b. Aramaic Dialects II - (New Course)

Catalog Number: 0270

John Huehnergard and assistant

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Continuation of Aramaic 125a: a survey of Aramaic dialects of the first millenium CE.

Prerequisite: Aramaic A or Aramaic C or equivalent.

Aramaic 128. Introduction to Turoyo

Catalog Number: 3747

Wolfhart P. Heinrichs

Half course (spring term). Hours to be arranged.

Prerequisite: Some knowledge of Syriac or any other classical Aramaic language.

Graduate Courses of Reading and Research

***Aramaic 300. Aramaic Language and Literature**

Catalog Number: 5758

Shaye J.D. Cohen 4180, Jo Ann Hackett 2389, and John Huehnergard 7697

Armenian

See also Armenian Studies.

For Undergraduates and Graduates

Armenian 130. Advanced Classical Armenian

Catalog Number: 4926

James R. Russell

Full course. Fall: W., 5:30–7:30 p.m.; Spring: W., 3–6. EXAM GROUP: Fall: 9; Spring: 8, 9

The text of St. Grigor Narekats'i *Matean olbergut'ean*, with other mystical texts from Armenian and Eastern Christian traditions.

Prerequisite: Armenian A.

Primarily for Graduates

Graduate Courses of Reading and Research



***Armenian 300. Armenian Language and Literature**

Catalog Number: 0240

James R. Russell 3411

Ethiopic

For Undergraduates and Graduates

[Ethiopic A. Introduction to Classical Ethiopic (Ge'ez)]

Catalog Number: 7667

John Huehnergard and assistant

Full course (indivisible). Hours to be arranged.

Note: Expected to be given in 2009–10.

[Ethiopic 120ar. Readings in Classical Ethiopic \(Ge'ez\) Texts I](#)

Catalog Number: 0231

John Huehnergard

Half course (fall term). Hours to be arranged.

Prerequisite: Ethiopic A.

[Ethiopic 120br. Readings in Classical Ethiopic \(Ge'ez\) Texts II](#)

Catalog Number: 0390

John Huehnergard

Half course (spring term). Hours to be arranged.

Prerequisite: Ethiopic A.

Graduate Courses of Reading and Research

***Ethiopic 300. Ethiopian Semitic Language and Literature**

Catalog Number: 5135

John Huehnergard 7697

Hebrew

See also Ancient Near Eastern and Biblical Studies and Jewish Studies.

Language Courses

For Undergraduates and Graduates

[Classical Hebrew A. Elementary Classical Hebrew](#)

Catalog Number: 8125

Jo Ann Hackett

Full course (indivisible). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A thorough and rigorous introduction to biblical Hebrew, with emphasis on grammar in the first



term, and translation of biblical prose in the second. Daily preparation and active class participation mandatory.

Note: Offered jointly with the Divinity School as 4010.

Classical Hebrew 120a. Intermediate Classical Hebrew I

Catalog Number: 5545

Jo Ann Hackett and assistant

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Readings in prose books; review of grammar.

Note: Offered jointly with the Divinity School as 4020.

Prerequisite: Classical Hebrew A or equivalent.

Classical Hebrew 120b. Intermediate Classical Hebrew II

Catalog Number: 8494

Jo Ann Hackett and assistant

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Readings in prose and poetic books; review of grammar.

Note: Offered jointly with the Divinity School as 4021.

Prerequisite: Classical Hebrew 120a or equivalent.

Classical Hebrew 130ar. Rapid Reading Classical Hebrew I

Catalog Number: 7895

Jo Ann Hackett and assistant

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Note: Offered jointly with the Divinity School as 1625/4030.

Prerequisite: Classical Hebrew A, 120a, and 120b, or equivalent.

Classical Hebrew 130br. Rapid Reading Classical Hebrew II

Catalog Number: 7896

Jo Ann Hackett and assistant

Half course (spring term). Tu., Th., at 9. EXAM GROUP: 11

Note: Offered jointly with the Divinity School as 1626/4031.

Prerequisite: Classical Hebrew 130a or equivalent.

Classical Hebrew 138. Historical Grammar of Biblical Hebrew

Catalog Number: 4415

John Huehnergard

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

Prerequisite: Classical Hebrew 130, or equivalent.

Modern Hebrew B. Elementary Modern Hebrew

Catalog Number: 4810

Miri Kubovy and Irit Aharony

Full course (indivisible). Sections I & II: M. through F., at 9; Section III: M. through F., at 10.

EXAM GROUP: Fall: 2, 11; Spring: 3, 12

For students with no previous instruction in Hebrew and for those who have had some



unsystematic exposure to the language. Emphasis on developing skills necessary for fluent reading, speaking, and writing basic sentences in all tenses. Grammar is taught through the Israeli “Top 40.”

Note: Offered jointly with the Divinity School as 4015.

Modern Hebrew 120a. Intermediate Modern Hebrew I

Catalog Number: 1711

Irit Aharony and Anna Grinfeld

Half course (fall term). Section I: M. through F., at 10. Section II: M. through F., at 11. EXAM GROUP: 3, 12

Continuation of Modern Hebrew B. Selected readings from 20th-century Hebrew literature prose, poetry, drama, and the language of the current Israeli media, including newspapers, magazines, and satires. The linguistic analysis of the texts is followed by a literary discussion as well as an examination of the individual works in relation to various trends in modern Hebrew culture.

Note: Conducted primarily in Hebrew. Offered jointly with the Divinity School as 4040.

Prerequisite: Modern Hebrew B or passing of special departmental placement test.

Modern Hebrew 120b. Intermediate Modern Hebrew II

Catalog Number: 2563

Irit Aharony and Anna Grinfeld

Half course (spring term). Section I: M. through F., at 10. Section II: M. through F., at 11. EXAM GROUP: 3, 12

Continuation of Modern Hebrew 120a.

Note: Conducted primarily in Hebrew. Offered jointly with the Divinity School as 4041.

Prerequisite: Modern Hebrew 120a.

Modern Hebrew 125a. Advanced Modern Hebrew I

Catalog Number: 4985

Anna Grinfeld

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Continuation of Intermediate Modern Hebrew 120a and 120b. The course explores oral and textual forms of the language such as journalism, literature, poetry, plays, music, and more. The course will take a broad look at Israeli culture and current events via the media: radio, television, the internet, and the arts. The course goal is to further develop practical skills in the language.

Note: Conducted in Hebrew. Offered jointly with the Divinity School as 4042.

Prerequisite: Modern Hebrew 120a, 120b, or equivalent.

Modern Hebrew 125b. Advanced Modern Hebrew II

Catalog Number: 3201

Miri Kubovy

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Continuation of Modern Hebrew 125a. The course explores advanced and sophisticated issues in grammar, syntax, style, and idioms of the language. It prepares students to work with more advanced materials from the media, scholarly texts for research, and literature.



Note: Conducted in Hebrew.

Prerequisite: Modern Hebrew 120a, 120b, and 125a.

Modern Hebrew 130r. Contemporary Israeli Culture

Catalog Number: 8127

Miri Kubovy

Half course (fall term). W., 7–10 pm. EXAM GROUP: 9

Surveys typical examples of contemporary Israeli culture: novels, short stories, poetry, feminist literature, Holocaust literature, literary and political journals and magazines, theater and films, rock music from the "Top 40," all representing current cultural trends and expressing attitudes toward social and political issues. Includes exposure to the language of the current Israeli media.

Note: Discussion, papers, and texts presented in Hebrew. This constitutes one of the fourth year courses of the Modern Hebrew track.

Prerequisite: Modern Hebrew 125a, 125b or equivalent.

[Modern Hebrew 134r. The Layers of Hebrew in Texts about Jerusalem]

Catalog Number: 6949

Irit Aharony

Half course (spring term). Hours to be arranged.

A survey of the layers of the Hebrew language as reflected in texts dealing with Jerusalem, written in different centuries. Students learn the characteristic components of all the periods of the Hebrew language in many kinds of texts. For the modern period, selections are taken from literature, the press, the media, and academic papers. The goal is to facilitate scholarly work and research in Hebrew.

Note: Expected to be given in 2007–08. Conducted in Hebrew. This constitutes one of the fourth year courses of the Modern Hebrew track.

Prerequisite: Modern Hebrew 125a, 125b, or equivalent.

Modern Hebrew 135r. How to Say "I Love You" in Hebrew

Catalog Number: 1159

Irit Aharony

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

A survey of literary Hebrew texts about love from different periods and origins. This survey includes: Biblical love stories, the concept of love in the Midrash and Agadah through the literature of the Middle Ages, the New Hebrew Literature of the early 20th century, and today's literature. Differences between ancient Hebrew and Modern Hebrew are examined. The goal of the course is to improve reading, writing, and speaking skills for advanced Modern Hebrew students.

Note: Conducted in Hebrew. This constitutes one of the fourth year courses of the Modern Hebrew track.

Prerequisite: Modern Hebrew 125a, 125b or the equivalent.

Modern Hebrew 136r. Hebrew for Academic Reading

Catalog Number: 3383

Anna Grinfeld

Half course (fall term; repeated spring term). Fall: M., W., 1:30–3; Spring: Section I: M-Th 11;



Section II: T., Th., 1:30-3. EXAM GROUP: Fall: 6, 7; Spring: 4, 13

Hebrew for academic reading is designed for advanced undergraduate and graduate students with a strong background knowledge of Hebrew, seeking to master reading skills in a range of Hebrew texts in the fields of Jewish studies, Middle Eastern studies, government, literature, religion, and history. Some selections of the reading material will be decided by the individual needs and interests of the students.

Note: Conducted in Hebrew.

Literature and History Courses

For Undergraduates and Graduates

Hebrew 150a. Introduction to Rabbinic Literature

Catalog Number: 7629

Bernard Septimus

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Designed to introduce students with a basic reading knowledge of Hebrew to Mishnah, Tosefta, Midrash, and Talmud through a close study of representative texts in the original. Texts are mostly non-legal and in Hebrew (rather than Aramaic). Attention to questions of language, exegetical method, literary, and intellectual history.

Prerequisite: Intermediate biblical or modern Hebrew, or permission of instructor.

Hebrew 160. The Origins and Development of the Classical Jewish Liturgy

Catalog Number: 9703

Bernard Septimus

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

An examination of current scholarship and controversy on the origins of the classical liturgy and a consideration of the primary-source evidence. Related topics include: rabbinic liturgy and Second Temple sources, differences between the ancient Palestinian and Babylonian rites, the standard prayers and the origins of liturgical poetry (*piyyut*), the crystallization of the liturgy, and the emergence of local variations in the early Middle Ages.

Prerequisite: A good reading knowledge of Hebrew.

[Hebrew 165. Maimonides' Book of Knowledge and its Medieval Critics]

Catalog Number: 9792

Bernard Septimus

Half course (fall term). Hours to be arranged.

The interplay of law and philosophy in the first book of Maimonides' *Code*. Topics include: language, organization, legal theory, use of sources, theology, curricular ideals, historical thought, ethics, eschatology, the relationship of the *Book of Knowledge* to Maimonides' *Guide of the Perplexed*; repercussions of the *Book of Knowledge* in subsequent works and controversies.

Note: Expected to be given in 2007–08.

Prerequisite: A good reading knowledge of Hebrew.

Hebrew 171. The Problem of Language in Medieval Jewish Thought

Catalog Number: 7205



Bernard Septimus

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

The status and significance of language generally and Hebrew, in particular, viewed from a variety of perspectives in texts from several genres (exegetical, linguistic, literary, legal, philosophical and mystical) ranging chronologically from late antiquity through the Renaissance.
Prerequisite: A good reading knowledge of Hebrew.

[Hebrew 191. From Jewish Literature to Israeli Literature: Seminar]

Catalog Number: 3376

Avi Matalon

Half course (spring term). Hours to be arranged.

Examines the development and transition of Hebrew literature from Europe to Israel beginning in the 1850s.

Note: Expected to be given in 2007–08.

Prerequisite: Reading knowledge of Modern Hebrew required.

Cross-listed Courses

Primarily for Graduates

[*Hebrew 200r. Problems in the Literature, History, and Religion of Israel: Seminar](#)

Catalog Number: 3265

Peter Machinist and members of the Department

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Topic for 2006-07: To be announced.

Note: Primarily for doctoral students in Hebrew Bible. Offered jointly with the Divinity School as 1810.

[Hebrew 208r. Literature of Israel: Seminar](#)

Catalog Number: 1356

Peter Machinist

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Topic for 2006-07: The Book of Exodus.

Note: Jointly offered with the Divinity School as 1825.

Prerequisite: Advanced reading knowledge of biblical Hebrew. Acquaintance with other relevant ancient and modern languages desirable.

[Hebrew 209r. Literature of Israel: Seminar]

Catalog Number: 1326

Peter Machinist

Half course (fall term). Hours to be arranged.

Topic for 2008-09: To be announced.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 1824.

Prerequisite: Good reading knowledge of biblical Hebrew. Acquaintance with other relevant ancient and modern languages desirable.



[Hebrew 211r. Literature of Israel: Seminar]

Catalog Number: 0727 Enrollment: Limited to 10.

Paul D. Hanson (Divinity School)

Half course (fall term). Hours to be arranged.

The Book of Ezekiel, studied through the application of historical-critical methods of research, with attention to the relation of the Book to earlier prophetic and halakic tradition and to its influence on Second Temple Judaism.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 1821.

Prerequisite: Intermediate to advanced reading knowledge of biblical Hebrew.

Hebrew 217. The Medieval Torah Commentary: A Practical Introduction: Seminar

Catalog Number: 5883

Jon D. Levenson (Divinity School)

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

An introduction to the use of medieval Jewish biblical commentaries as a resource for modern exegetes. Some comparison of the medieval hermeneutical presuppositions with those of the distinctively modern forms of biblical study.

Note: Offered jointly with the Divinity School as 1836.

Prerequisite: Three years of college-level Hebrew (any period).

Hebrew 218. Joseph and Esther: Seminar

Catalog Number: 0880

Jon D. Levenson (Divinity School)

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

A close critical reading of Genesis 37-50 and the Book of Esther in Hebrew. Emphasis on literary design and religious messages and on the influence of the story of Joseph upon the Book of Esther.

Note: Offered jointly with the Divinity School as 1802.

Prerequisite: Three years of Hebrew or the equivalent.

[Hebrew 235. The Binding of Isaac (*Aqedah*): Seminar]

Catalog Number: 0170

Jon D. Levenson (Divinity School)

Half course (fall term). Hours to be arranged.

An examination of Genesis 22 and its afterlife in ancient Judaism, early Christianity, and the Qur'an. Ample consideration of the interpretation and expansion of the story in modern theology and of critical responses to it.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 1808.

Prerequisite: Three years of Hebrew or the equivalent.

[Hebrew 236. Song at the Sea: Seminar]

Catalog Number: 6496

Jon D. Levenson (Divinity School)

Half course (spring term). Hours to be arranged.

A close reading of Exodus 14–15 in two contexts, that of the Hebrew Bible (together with its ancient Near Eastern background) and that of rabbinic Judaism. Ample Hebrew readings in



rabbinic midrash.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 1816.

Prerequisite: An introductory course in the critical study of the Hebrew Bible and a solid command of Hebrew grammar (any period).

Hebrew 240. Rabbinic Stories and Rabbinic Thought: Seminar - (New Course)

Catalog Number: 4201

Jonathan Schofer (Divinity School)

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Examines classical rabbinic narratives, including sage stories, accounts of biblical figures, and parables. Key themes include ethics, theology, and community. Strong consideration will be given to exegetical dynamics and legal issues.

Note: Readings are in Hebrew. Offered jointly with the Divinity School as 3795.

Prerequisite: Two years of Biblical Hebrew or three years of modern Hebrew or the permission of the instructor.

Hebrew 254. The Poetry of Judah Halevi - (New Course)

Catalog Number: 5456

Raymond P. Scheindlin (Jewish Theological Seminary)

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

A study of Halevi's poetry with reference to his theological treatise and surviving letters by himself and his friends, in an attempt to obtain a rounded picture of his cultural and religious orientation and commitments.

Prerequisite: Ability to prepare medieval texts in Hebrew.

Graduate Courses of Reading and Research

***Hebrew 300. Classical Hebrew Language and Literature**

Catalog Number: 7831

Shaye J.D. Cohen 4180, Jo Ann Hackett 2389, Paul D. Hanson (Divinity School) 1394 (on leave fall term), John Huehnergard 7697, Peter Machinist 2812, and Lawrence E. Stager 1468

***Hebrew 350. Postbiblical Hebrew Language and Literature**

Catalog Number: 4408

Shaye J.D. Cohen 4180, Jay M. Harris 2266, and Bernard Septimus 7160

Iranian

See also above under Near Eastern Civilizations; Early Iranian Civilizations; Islamic Civilizations; and below under Persian.

For Undergraduates and Graduates

[Iranian A. Old Persian]

Catalog Number: 5457



P. Oktor Skjaervo and assistant
Full course (fall term). W., 3–5. EXAM GROUP: 8, 9
Introduction to Old Persian.
Note: Expected to be given in 2007–08.

[Iranian B. Introduction to Avestan]

Catalog Number: 3936
P. Oktor Skjaervo
Full course (indivisible). Hours to be arranged.
Note: Expected to be given in 2007–08.

[Iranian 145a. Eastern Middle Iranian II. Introduction to Sogdian I](#)

Catalog Number: 9001
P. Oktor Skjaervo
Half course (fall term). Hours to be arranged.
Introduction to Manichean Sogdian.

[Iranian 145b. Eastern Middle Iranian II. Introduction to Sogdian II](#)

Catalog Number: 0912
P. Oktor Skjaervo
Half course (spring term). Hours to be arranged.
Readings in Manichean, Buddhist, Christian, and secular Sogdian texts.
Prerequisite: Iranian 145a.

Cross-listed Courses

[Linguistics 221r. Workshop in Indo-European](#)

Primarily for Graduates

[Iranian 209b \(formerly Iranian 142b\). Avestan III](#)

Catalog Number: 6865
P. Oktor Skjaervo
Half course (fall term). M., W., 3–5. EXAM GROUP: 8, 9
Introduction to Old Avestan.
Prerequisite: Iranian 209a.

Graduate Courses of Reading and Research

***Iranian 300. Reading and Research in Iranian Languages and Literatures**

Catalog Number: 8155
P. Oktor Skjaervo 2869 and Wheeler M. Thackston, Jr. 4004 (on leave fall term) (fall term only)

Persian



See also above under Near Eastern Civilizations; Early Iranian Civilizations; Islamic Civilizations; Iranian.

For Undergraduates and Graduates

Persian A. Elementary Persian

Catalog Number: 8143

Dalia Yasharpour

Full course (indivisible). M., W., F., at 9, and two additional hours to be arranged. EXAM GROUP: 2

Introduction to the grammar of modern literary and spoken Persian. Selected readings from contemporary and classical Persian literature.

Persian 120a. Intermediate Persian I

Catalog Number: 2206

Dalia Yasharpour

Half course (fall term). M., W., F., at 10, and one additional hour to be arranged. EXAM GROUP: 3

Readings in modern prose literature. Introduction to classical metrics and prosody. Readings in classical prose and poetry.

Persian 120b. Intermediate Persian II

Catalog Number: 3712

Dalia Yasharpour

Half course (spring term). M., W., F., at 10, and one additional hour to be arranged. EXAM GROUP: 3

Continuation of Persian 120a.

Persian 140ar. Advanced Persian

Catalog Number: 0814

Dalia Yasharpour

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

Selected topics in Classical Persian literature for the advanced student. Readings from historical and belletristic texts, as well as modern selections.

Prerequisite: Persian 120b or equivalent.

[Persian 140br. Selected Readings in Classical Persian Literature]

Catalog Number: 0258

Dalia Yasharpour

Half course (spring term). Hours to be arranged.

A continuation of Persian 140ar.

Note: Expected to be given in 2007–08.

Persian 150r. Readings in Persian Historians, Geographers and Biographers

Catalog Number: 6538



Roy Mottahedeh
Half course (spring term). Hours to be arranged.

Graduate Courses of Reading and Research

***Persian 300. Persian Language and Literature**

Catalog Number: 6962

Wheeler M. Thackston, Jr. 4004 (on leave fall term) (fall term only), Roy Mottahedeh 1454, and P. Oktor Skjaervo 2869 (fall term only)

Semitic Philology

For Undergraduates and Graduates

Semitic Philology 140. Introduction to the Comparative Study of Semitic Languages

Catalog Number: 8602

John Huehnergard

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Prerequisite: Knowledge of two Semitic languages.

[Semitic Philology 151. Introduction to Northwest Semitic Epigraphy]

Catalog Number: 2858

Jo Ann Hackett

Half course (fall term). Hours to be arranged.

Readings in Hebrew and Phoenician inscriptions with an introduction to methods and techniques of Northwest Semitic palaeography, and attention to problems of historical grammar.

Note: Expected to be given in 2007–08.

Prerequisite: Classical Hebrew 138 or Semitic Philology 140.

Semitic Philology 152. Introduction to Ugaritic

Catalog Number: 2777

John L. Ellison

Half course (fall term). F., 2–4. EXAM GROUP: 7, 8

Introduction to Ugaritic grammar, with readings in mythological, epistolary, and administrative texts.

Prerequisite: Semitic Philology 140 or equivalent.

Primarily for Graduates

[Semitic Philology 200r. Comparative Semitic Grammar: Seminar]

Catalog Number: 0168

John Huehnergard

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2008–09.

Prerequisite: Classical Hebrew 138 or Semitic Philology 140 or equivalent.



Semitic Philology 220r. Northwest Semitic Epigraphy: Seminar

Catalog Number: 2948

Jo Ann Hackett

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Topic for 2006-07: To be announced.

Prerequisite: Semitic Philology 152.

Graduate Courses of Reading and Research

***Semitic Philology 300. Semitic and Afroasiatic Languages and Literatures**

Catalog Number: 2762

Jo Ann Hackett 2389, Wolfhart P. Heinrichs 4988, and John Huehnergard 7697

Turkish

See also above under Near Eastern Civilizations; Islamic Civilizations.

For Undergraduates and Graduates

Turkish A. Elementary Modern Turkish

Catalog Number: 2527

Hakan T. Karateke

Full course (indivisible). M. through F., at 9. EXAM GROUP: 2, 11

Emphasis on all aspects of Turkish grammar toward developing a solid foundation for speaking, listening, reading, writing, and vocabulary skills.

Note: Not open to auditors.

Turkish 120a. Intermediate Turkish I

Catalog Number: 4009

Hakan T. Karateke

Half course (fall term). M. through Th., at 10. EXAM GROUP: 3, 12

Emphasis on complex sentence structure and building communicative competence in describing events and expressing ideas through exercises in reading, writing, and speaking.

Note: Not open to auditors.

Prerequisite: Turkish A or equivalent.

Turkish 120b. Intermediate Turkish II

Catalog Number: 1394

Hakan T. Karateke

Half course (spring term). M., Tu., Th., F., at 10. EXAM GROUP: 3, 12

Studies in argumentative and literary prose.

Note: Not open to auditors.

Prerequisite: Turkish 120a or equivalent.



Turkish 125a. Intermediate Uzbek I

Catalog Number: 2947

Dalia Yasharpour and assistant

Half course (fall term). Hours to be arranged.

Continuation of Elementary Uzbek with an emphasis on further development of both conversational and literary Uzbek.

Prerequisite: Turkish 121b or equivalent.

Turkish 125b. Intermediate Uzbek II

Catalog Number: 0125

Dalia Yasharpour and assistant

Half course (spring term). M., 2–4, Th., 4–6.

A continuation of Turkish 125a.

Prerequisite: Turkish 125a or equivalent.

Turkish 130a. Advanced Turkish I

Catalog Number: 6964

Hakan T. Karateke

Half course (fall term). W., 1–4. EXAM GROUP: 6, 7, 8

Gaining and improving advanced language skills in Modern Turkish through reading, writing, listening, and speaking with special emphasis on the proper usage of vocabulary and idiomatic expressions.

Note: Not open to auditors.

Prerequisite: Turkish 120b or equivalent.

[Turkish 130b. Advanced Turkish II]

Catalog Number: 4354

Hakan T. Karateke

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Studies in literary and idiomatic prose through readings, discussions, and writing of short analytical papers.

Note: Expected to be given in 2007–08. Not open to auditors.

Prerequisite: Turkish 130a or equivalent.

Turkish 140a. Introduction to Ottoman Turkish I

Catalog Number: 8163

Helga Anetshofer

Half course (spring term). Th., at 12, Tu., 1–3. EXAM GROUP: 14, 15, 16

Introduction to basic orthographic conventions and grammatical characteristics of Ottoman Turkish through readings in printed selections from the 19th and 20th centuries, and exercises on techniques.

Note: Not open to auditors.

Prerequisite: Turkish A or equivalent; one year of Arabic or Persian desirable.

Turkish 140b. Introduction to Ottoman Turkish II

Catalog Number: 8298



Helga Anetshofer

Half course (fall term). Th., at 11, Tu., 11–1. EXAM GROUP: 13, 14

Continuation of Turkish 140a. Exercises on specialized orthographic conventions and grammatical characteristics of Ottoman Turkish through readings in printed selections from the 19th and 20th centuries.

Note: Not open to auditors.

Prerequisite: Turkish 140a or equivalent.

[Turkish 141. Ottoman Biographical Dictionaries]

Catalog Number: 3234

Hakan T. Karateke

Half course (spring term). Hours to be arranged.

This seminar investigates the rich tradition of Ottoman biographical dictionaries from the beginning to the end of 19th century. Biographical dictionaries listing scholars, masters of religious orders, poets, and others will be read from primary sources and explored.

Note: Expected to be given in 2007–08.

Prerequisite: Knowledge of Ottoman Turkish.

[Turkish 143. Ottoman Turkish: The Story of a Language] - (New Course)

Catalog Number: 6099

Hakan T. Karateke

Half course (spring term). Hours to be arranged.

This course will explore the evolution of the Ottoman Turkish language in all its aspects. Topics to be covered include: the linguistic development of Ottoman Turkish, historical, cultural, and political views of, and the debate surrounding the language, and the self-perception of speakers. We will start with readings from the Old Anatolian Turkish period in the 14th century and end with the language reforms of the 1920s. Texts primarily in Ottoman Turkish, with supplementary readings.

Note: Expected to be given in 2007–08. Not open to auditors.

Prerequisite: Knowledge of Ottoman Turkish.

[Turkish 144. Introduction to Ottoman Epigraphy] - (New Course)

Catalog Number: 0886

Helga Anetshofer

Half course (spring term). F., at 11, W., 12–2. EXAM GROUP: 4, 5, 6

The course investigates the basic conventions and development of Ottoman epigraphy. Several sorts of inscriptions will be covered in the course, such as dedication plates, epitaphs, etc.

Note: Expected to be given in 2007–08. Not open to auditors.

Prerequisite: Turkish 140b or equivalent.

Turkish 145. Introduction to Old Anatolian Turkish - (New Course)

Catalog Number: 0095

Helga Anetshofer

Half course (fall term). Th., at 10, M., 12–2. EXAM GROUP: 5, 6

Grammatical, orthographic, and stylistic characteristics of Old Anatolian Turkish through reading and analysis of selected primary sources from the 13th to the 15th centuries.



Note: Not open to auditors.

Prerequisite: Turkish 140a or equivalent.

[Turkish 146. Readings in Old Anatolian Turkish Narrative Prose] - (New Course)

Catalog Number: 6628

Helga Anetshofer

Half course (spring term). Th., at 12, Tu., 12–2. EXAM GROUP: 14, 15

Specialized grammatical and orthographic characteristics of Old Anatolian Turkish narrative prose through reading of different genres of handwritten documents from the 14th and 15th centuries.

Note: Expected to be given in 2007–08. Not open to auditors.

Prerequisite: Turkish 140b or equivalent.

Turkish 152. Middle Turkic - (New Course)

Catalog Number: 0207

Helga Anetshofer

Half course (spring term). Tu., at 11, F., 1–3. EXAM GROUP: 6, 7, 13

Comparative survey of Middle Turkic texts, analysing the phonology, morphology, and syntax of the Middle Turkic languages. Reading and translation of Karakhanid, Khorazmian Turkic and Kipchak sources.

Note: Not open to auditors.

Prerequisite: Knowledge of one Middle Turkic language, including Old Anatolian Turkish or Chagatai.

Primarily for Graduates

Turkish 240. Readings in Ottoman Sources

Catalog Number: 2180

Helga Anetshofer

Half course (spring term). M., 12–2, Th., at 1. EXAM GROUP: 5, 6, 15

Philological analysis of handwritten documents from the 13th to the 18th century in photocopies.

Analysis of textual styles of different genres.

Note: Not open to auditors.

Prerequisite: Turkish 140b or equivalent.

Graduate Courses of Reading and Research

***Turkish 300. Turkish Languages and Literatures**

Catalog Number: 7702

Yiddish

See also above under Near Eastern Civilizations: Jewish Studies.



For Undergraduates and Graduates

Yiddish A. Elementary Yiddish

Catalog Number: 4623

Yuri Vedenyapin

Full course (indivisible). M., W., F., at 10. EXAM GROUP: 3

Introduction to the Yiddish language, and to the culture of Ashkenazic Jewry, including story, song, and film of Europe, the Americas, and Israel.

Note: For students with little or no knowledge of Yiddish.

Yiddish Ba. Intermediate Yiddish I

Catalog Number: 6023

Yuri Vedenyapin

Half course (fall term). M., W., at 12; M., W., at 1.

Further develops the four basic communication skills. Includes selected readings from modern Yiddish literature.

Prerequisite: Yiddish A or equivalent.

Yiddish Bb. Intermediate Yiddish II

Catalog Number: 1239

Yuri Vedenyapin

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Continuation of Yiddish Ba.

Yiddish Ca. Advanced Yiddish I

Catalog Number: 8331

Yuri Vedenyapin

Half course (fall term). M., W., F., at 11. EXAM GROUP: 7

Yiddish Cb. Advanced Yiddish II

Catalog Number: 8968

Yuri Vedenyapin

Half course (spring term). M., F., 1–3. EXAM GROUP: 6, 7

Prerequisite: Yiddish Ca or equivalent.

[Yiddish 102r. Modern Yiddish Literature I: The Yiddish Short Story]

Catalog Number: 4013

Ruth R. Wisse

Half course (fall term). Hours to be arranged.

Topic for 2007-08: To be announced.

Note: Expected to be given in 2007–08.

[Yiddish 109. The Yiddish Novel Under Tsars and Stripes]

Catalog Number: 6009

Ruth R. Wisse

Half course (spring term). Hours to be arranged.



Studies the emergence of the Yiddish novel as a major literary form in Russia, Poland, and the US. Begins with the pioneer of modern Yiddish and Hebrew prose, Mendele Mocher Sforim, includes Sholem Aleichem, Sholem Asch, David Bergelson, Der Nister, and the family Singer: Israel Joshua, Isaac Bashevis, and Esther Kreitman. Highly compressed development of the genre reflects great artistic, ideological, and thematic variety.

Note: Expected to be given in 2008–09. All works available in English translation. There will be an extra section for Yiddish readers.

[Yiddish 110. Studies in Yiddish Drama]

Catalog Number: 7626

Ruth R. Wisse

Half course (spring term). Hours to be arranged.

Explores the role of Yiddish theater in Jewish and American society and culture. Features major plays from the repertoire, including *The Dybbuk* and *The Golem*; memoirs of leading actors and playwrights; modernist and radical experimentation, competing national, commercial, ideological, and artistic goals. Selected Yiddish films of the 1930s.

Note: Expected to be given in 2008–09.

Prerequisite: Reading knowledge of Yiddish.

Primarily for Graduates

[Yiddish 200r. Modern Yiddish Literature: Yiddish and Yiddishism, 1864–2000: Seminar](#)

Catalog Number: 4263

Ruth R. Wisse

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Studies the emergence of Yiddish as a cultural medium and ideological rallying point in such diverse movements as Hasidism, Haskalah, Socialism, Zionism, Communism, Americanization, Orthodoxy, and Diasporism. Looks at belles-lettres, criticism, historical studies, and existing institutions.

Prerequisite: Reading knowledge of Yiddish required.

Graduate Courses of Reading and Research

***Yiddish 300. Yiddish Language and Literature**

Catalog Number: 7833

Ruth R. Wisse 3177 (on leave spring term)

Neurobiology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION



Faculty of the Committee on Degrees in Neurobiology

John E. Dowling, Gordon and Llura Gund Professor of Neurosciences (*FAS*) and Professor of Ophthalmology (*Medical School*) (*Chair and Head Tutor*)
 Randy L. Buckner, Professor of Psychology
 Catherine Dulac, Higgins Professor of Molecular and Cellular Biology
 Florian Engert, Associate Professor of Molecular and Cellular Biology
 Samuel M. Kunes, Professor of Molecular and Cellular Biology
 Jeff Lichtman, Professor of Molecular and Cellular Biology
 Markus Meister, Jeff C. Tarr Professor of Molecular and Cellular Biology
 Venkatesh N. Murthy, Morris Kahn Associate Professor of Molecular and Cellular Biology, Tutor in Biochemical Sciences, Professor of Molecular and Cellular Biology
 Naomi E. Pierce, Sidney A. and John H. Hessel Professor of Biology and Curator of Lepidoptera
 R. Clay Reid, Professor of Neurobiology (*Medical School*)
 Aravinthan D. T. Samuel, Associate Professor of Physics
 Joshua R. Sanes, Professor of Molecular and Cellular Biology
 Garrett B. Stanley, Associate Professor of Biomedical Engineering on the Gordon McKay Endowment
 Rachel I. Wilson, Assistant Professor of Neurobiology (*Medical School*)

The Neurobiology concentration is overseen by a Standing Committee, which includes representatives from several departments of the Faculty of Arts and Sciences and from other schools as appropriate to ensure the requisite breadth of the program. The concentration is designed to investigate how nervous systems organize behavior. It explores phenomena on vastly different scales, from molecules to societies, and draws on many of the classical disciplines for experimental tools and explanatory frameworks. Neurobiology encompasses the study of individual nerve cells, connections and circuitry among neurons, and the function of the brain. For more information about Neurobiology courses and the Life Sciences concentrations, visit www.lifescience.fas.harvard.edu/concentrations/.

Primarily for Undergraduates

[*Neurobiology 98r. Laboratory Research - \(New Course\)](#)

Catalog Number: 0494

John E. Dowling 3545 and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

This course is ordinarily taken to obtain credit for independent research leading to a senior thesis. Work should be directed by a member of MCB, OEB, or an affiliate of the Neurobiology concentration. Other research sponsors must be approved by the Head Tutor, and require a MCB or OEB co-sponsor. All students must submit registration materials for Neurobiology 98r at the time of enrollment.

Note: Laboratory safety session required. This course can be taken twice for concentration credit.

[*Neurobiology 99r. Supervised Research for Honors Thesis - \(New Course\)](#)

Catalog Number: 9400

John E. Dowling and members of the Department



Half course (fall term; repeated spring term). Hours to be arranged.

For honors candidates writing a thesis in Neurobiology. This course is ordinarily taken in the last semester of enrollment. The Head Tutor must approve a thesis proposal prior to enrolling in Neurobiology 99r.

Note: Laboratory safety session required.

Cross-listed Courses in Neurobiology

[*Biology 95hfc. From Vision to Action: Neural Circuits Underlying Behavior](#)

[*Biology 95hfd. Problem Solving in Neuroscience: An Interactive Case-Based Online Network \(ICON\)](#)

[*Biology 95hfi. Eye Can't Hear You: Blindness and Deafness in Society](#)

[*Biology 95hfj. The Sleeping Brain](#)

[*Biology 95hfk. Mechanisms of Neurological Disease](#)

[Engineering Sciences 148. Neural Signal Processing]

[MCB 80 \(formerly Biological Sciences 80\). Neurobiology of Behavior](#)

[MCB 105. Systems Neuroscience](#)

[MCB 115. Cellular Basis of Neuronal Function](#)

[MCB 117. Experimental Neuroscience](#)

[*MCB 129. Molecular Genetics of Neural Development and Behavior](#)

[MCB 131. Computational Neuroscience](#)

[MCB 141. Molecular and Developmental Neurobiology](#)

[MCB 173. Optical Imaging in the Biological Sciences](#)

[MCB 186. Circadian Biology: From Cellular Oscillators to Sleep Regulation](#)

[Neurobiology 204. Neurophysiology of Central Circuits](#)

[Neurobiology 207. Developmental Neurobiology](#)

[Neurobiology 209. Neurobiology of Disease]

[*Neurobiology 220. Cellular Neurophysiology](#)

[*Neurobiology 221. Molecular Neurobiology](#)

[OEB 57 \(formerly Biological Sciences 57\). Animal Behavior](#)

[OEB 174r. Topics in Behavioral Ecology](#)

[Physics 141. The Physics of Sensory Systems in Biology - \(New Course\)](#)

[Psychology 1205. Brain, Drugs, and Society: From Neurobiology to Ethics](#)

[Psychology 1808. Neurobiological Aspects of Psychopathology]

Oceanography

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Oceanography



Eli Tziperman, Pamela and Vasco McCoy, Jr. Professor of Oceanography and Applied Physics
(*Chair*) (*on leave fall term*)

James J. McCarthy, Professor of Biological Oceanography and Alexander Agassiz Professor of
Biological Oceanography

Daniel P. Schrag, Professor of Earth and Planetary Sciences and Professor of Environmental
Science and Engineering

Courses in the various branches of oceanography are listed separately under the headings
Biology, Engineering Sciences and Applied Physics, and Earth and Planetary Sciences in this
catalog. Further information on related courses and on other opportunities for study in
oceanography at the University, at the Woods Hole Oceanographic Institution, and at the Marine
Biological Laboratory may be obtained from the Official Register “Instruction in
Oceanography,” or from members of the Faculty Committee on Oceanography.

Organismic and Evolutionary Biology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Organismic and Evolutionary Biology

Andrew A. Biewener, Charles P. Lyman Professor of Biology (*Chair*)

Arkhat Abzhanov, Assistant Professor of Organismic and Evolutionary Biology

Colleen M. Cavanaugh, Edward C. Jeffrey Professor of Biology

Charles C. Davis, Assistant Professor of Organismic and Evolutionary Biology

Kathleen Donohue, Associate Professor of Biology

Jacques Dumais, Assistant Professor of Organismic and Evolutionary Biology

Scott V. Edwards, Professor of Organismic and Evolutionary Biology and Alexander Agassiz
Professor of Zoology

Brian D. Farrell, Professor of Biology

David R. Foster, Senior Lecturer on Biology

Peter R. Girguis, Assistant Professor of Organismic and Evolutionary Biology

Gonzalo Giribet, Professor of Biology

David A. Haig, George Putnam Professor of Organismic and Evolutionary Biology (*Head Tutor*)

James Hanken, Professor of Biology and Herpetology and Alexander Agassiz Professor of
Zoology in the Museum of Comparative Zoology (*on leave fall term*)

Daniel L. Hartl, Higgins Professor of Biology

N. Michele Holbrook, Charles Bullard Professor of Forestry

Farish A. Jenkins, Jr., Professor of Biology and Alexander Agassiz Professor of Zoology (*FAS*)
and Professor of Anatomy in the Harvard-MIT Division of Health Sciences and Technology
(*Medical School*) (*on leave spring term*)



Andrew H. Knoll, Fisher Professor of Natural History and Professor of Earth and Planetary Sciences

Elena M. Kramer, John L. Loeb Associate Professor of the Natural Sciences

George V. Lauder, Professor of Biology and Alexander Agassiz Professor of Zoology

Karel F. Liem, Henry Bryant Bigelow Professor of Ichthyology; Curator of Ichthyology

Jonathan Losos, Monique and Philip Lehner Professor for the Study of Latin America and Curator in Herpetology

Charles R. Marshall, Professor of Biology and of Geology

Christopher Marx, Assistant Professor of Organismic and Evolutionary Biology

James J. McCarthy, Professor of Biological Oceanography and Alexander Agassiz Professor of Biological Oceanography

Paul R. Moorcroft, Professor of Biology

Martin A. Nowak, Professor of Mathematics and of Biology

Donald H. Pfister, Asa Gray Professor of Systematic Botany and Curator of the Farlow Library and Herbarium

Naomi E. Pierce, Sidney A. and John H. Hessel Professor of Biology and Curator of Lepidoptera

Anne E. Pringle, Assistant Professor of Organismic and Evolutionary Biology

John R. Wakeley, Professor of Organismic and Evolutionary Biology

Robert M. Woollacott, Professor of Biology

Other Faculty Offering Instruction in Organismic and Evolutionary Biology

William H. Bossert, David B. Arnold, Jr. Professor of Science

Arthur L. Lage, Associate Professor of Surgery (*Medical School*)

Daniel E. Lieberman, Professor of Anthropology (*on leave fall term*)

Primarily for Undergraduates

OEB 10. Foundations of Biological Diversity - (New Course)

Catalog Number: 7967

Brian D. Farrell and N. Michele Holbrook

Half course (fall term). M., W., F., at 12 and three hours of laboratory/discussion section weekly, including field trips to marine and forest environments. EXAM GROUP: 5

An integrated approach to the diversity of life, emphasizing how chemical, physical, genetic, ecological and geologic processes contribute to the origin and maintenance of biological diversity. Topics to be covered include the evolution of metabolic pathways, multicellularity and structural complexity; causes and consequences of differences in diversity over space and time; the role of species interactions (including symbioses) as an evolutionary force; and the evolution of humans and their impact on the environment.

Note: Knowledge of introductory molecular, cellular biology, and genetics is recommended. This course, when taken for a letter grade, meets the Core area requirement for Science B.

OEB 51 (formerly OEB 110). Biology and Evolution of Invertebrate Animals

Catalog Number: 7873 Enrollment: Limited to 12.

Gonzalo Giribet

Half course (spring term). Lectures Tu., Th., 10–11:30; laboratory on Wednesdays with hours to



be arranged. EXAM GROUP: 12, 13

Introduction to invertebrate diversity, emphasizing the anatomy, biology and evolutionary relationships of the main animal phyla including sponges, mollusks, annelids and arthropods among others. Special emphasis is placed on understanding the broad diversity of animal forms and their adaptations to different ecosystems and how these phenomena shape animal evolution. Lectures will be complemented with a mandatory weekly lab and a field trip to different areas of outstanding marine diversity in the Caribbean.

Note: Field trip to the Caribbean for research during spring break.

Prerequisite: OEB 10 or BS 51 or BS 53 or EPS 181, or permission of instructor required.

OEB 52 (formerly OEB 124). Biology of Plants

Catalog Number: 1343 Enrollment: Limited to 16.

Elena M. Kramer, Jacques Dumais, and N. Michele Holbrook

Half course (spring term). Tu., Th., 10–11:30, one afternoon laboratory per week, plus occasional field trips. EXAM GROUP: 12, 13

Introduction to the structure, diversity, and physiology of plants with an emphasis on evolutionary relationships and adaptations to life on land. Topics include growth, resource acquisition, interactions with other organisms (i.e., fungi, bacteria, insects), reproduction, and survival in extreme environments. Laboratory sessions provide an overview of plant and diversity and an introduction to basic physiological processes.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science B.

OEB 53 (formerly Biological Sciences 53). Evolutionary Biology

Catalog Number: 3342

David A. Haig and members of the Department

Half course (spring term). Tu., Th., 1–2:30 and a weekly three-hour lab. EXAM GROUP: 15, 16

This course covers basic macro- and micro-evolutionary analysis, with an emphasis on how to approach the study of evolution from a population perspective. Topics include phylogenetics and biogeography, natural and sexual selection, life-history evolution, speciation, and coevolution.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science B.

Prerequisite: Life Sciences 1b or BS 50 or permission of instructor.

OEB 54. Biology of the Fungi - (New Course)

Catalog Number: 9326

Donald H. Pfister and Anne Pringle

Half course (fall term). Tu., Th., 1–2:30 and a weekly laboratory on Tuesdays from 2:30 to 5. EXAM GROUP: 15, 16

This intensive course explores the fascinating diversity of the kingdom fungi, including evolution, ecology and morphology. All the major groups of fungi from smuts to molds will be included. Students will use a variety of techniques to learn about fungi and their activities.

Note: There is a weekly laboratory and at least one weekend field trip and several afternoon field trips are required (dates to be announced).

Prerequisite: Life Sciences 1a and 1b or permission of instructor.

OEB 55 (formerly Biological Sciences 55). Ecology: Populations, Communities, and Ecosystems



Catalog Number: 3365

Paul R. Moorcroft

Half course (spring term). M., W., F., at 10, a weekly discussion section, and two field trips on either Saturdays or Sundays during mid-April to early-May. EXAM GROUP: 3

Relationships of organisms to their environment at the individual, population, and community level. Topics in pure and applied ecology including adaptations to physical environment, competition, population dynamics, predator-prey interactions, herbivore effects, community ecology, ecosystem structure, stability and function, and resource management.

Prerequisite: Mathematics 1b and prior biology experience.

OEB 57 (formerly Biological Sciences 57). Animal Behavior

Catalog Number: 2539

Naomi E. Pierce

Half course (fall term). Tu., Th., at 10; Guest lectures and film screenings W., at 7:30 pm; ninety minutes of discussion section weekly. EXAM GROUP: 12

A review of the behavior of animals under natural conditions, with emphasis on both mechanistic and evolutionary approaches. Topics include classical ethology; behavioral endocrinology; behavioral genetics; learning and memory; communication; orientation, migration and biological rhythms; optimal foraging; evolutionary stable strategies; sexual selection; parental investment and mating systems; selfishness, altruism, and reciprocity; and sociality in vertebrates and invertebrates.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science B.

OEB 59 (formerly OEB 104). Plants and Human Affairs

Catalog Number: 5281

Donald H. Pfister and Charles C. Davis

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

An introduction to the uses of plants by humans. Topics include the form, structure and genetics of plants related to their use as sources of food, shelter, fiber, flavors, beverages, drugs, and medicines. Plant structure and reproduction are studied in lecture and laboratory with a particular focus on relationships between the plant's structural, chemical, or physiological attributes and the utility plant.

Prerequisite: OEB 10 or BS 51 or permission of the instructor.

OEB 91r. Supervised Reading - (New Course)

Catalog Number: 6374

David A. Haig and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading on topics not covered by regular courses. For OEB concentrators, work may be supervised by faculty in other departments, provided it is co-sponsored by an OEB faculty member. For nonconcentrators, work must be directed by an OEB faculty member. Students must submit a registration request to the OEB Undergraduate Office before enrollment. Students cannot take OEB 91r and 99r simultaneously with the same director.

Prerequisite: Four terms of biology.



***OEB 99r. Supervised Research - (New Course)**

Catalog Number: 7744

David A. Haig and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Course taken in one or more semesters to obtain credit for independent research, including research toward a senior thesis. Work should be directed by an OEB faculty member or have an OEB faculty sponsor. All students must submit registration materials for OEB 99r at the time of enrollment.

Note: Laboratory safety session required.

For Undergraduate and Graduates

OEB 102. Structure and Physiology of the Vertebrates

Catalog Number: 0921

George V. Lauder and Andrew A. Biewener

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

Introduction to the relationship between physiology, structure, and function of vertebrates. Lectures concentrate on selected organ systems (musculoskeletal, nervous cardiovascular, respiratory, reproductive, excretory, and digestive) paying particular attention to how they have evolved and diversified within living vertebrate groups in relationship to environmental factors. General principles of structure-function relationship are emphasized. Physiology and morphological dissection labs concentrate on higher vertebrates and are correlated with one another and with the lectures.

OEB 103. Plant Systematics and Evolution

Catalog Number: 8704

Charles C. Davis

Half course (spring term). Tu., Th., 10–11:30, and a four hour lab on Thursdays. EXAM GROUP: 12, 13

An introduction to the diversity and evolution of vascular plants. The course focuses mainly on flowering plants because of their dominant role on the earth, but lycophytes, ferns, and gymnosperms are studied as well. A phylogeny of vascular plants provides the framework for their evolution and diversification. Related subjects, including plant habitats, biogeography, phylogenetics, herbaria, nomenclature, and pollination biology are also presented in lecture and laboratory

Note: There are two midterms, a final, frequent lab quizzes, and an optional trip to the Brazilian state of Bahia to study plants in their native setting.

Prerequisite: OEB 10 or BS 51 or permission of instructor.

OEB 106. Plant Development and Differentiation

Catalog Number: 4559

Elena M. Kramer

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

A comprehensive lecture course on the developmental biology of plants from fertilization through all phases of vegetative and reproductive growth. Material includes both morphological and genetic studies. Although the main focus of the course is angiosperms, examples are drawn



from other lineages of land plants as well. Additional topics include control of cell division and elongation, signal transduction, and hormone response.

Prerequisite: OEB 124 (formerly Bio 24) and BS 50 or Life Sciences 1b or permission of the instructor.

OEB 107. Evolution of Plant Life in Geologic Time

Catalog Number: 1318

Andrew H. Knoll

Half course (fall term). M., W., at 10 and a weekly 3 hour lab with hours to be arranged. EXAM GROUP: 3

Origin, evolution, dispersal, paleoecology, and geologic history of the major groups of the plant kingdom. Laboratory study of representative groups, living and fossil.

Prerequisite: BS 51 or OEB 10 or permission of instructor.

OEB 114. Vertebrate Viviparity

Catalog Number: 4953

David A. Haig

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Viviparity has evolved many times in vertebrate phylogeny. The course reviews the diversity of parental care in vertebrates and explore the selective forces that have favored the evolution of live-bearing. The evidence for intergenerational conflicts is considered.

Prerequisite: BS 50 or Life Sciences 1b or permission of instructor.

OEB 118. Biological Oceanography

Catalog Number: 7752

James J. McCarthy

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

The ocean as an ecological system. Emphasis on the ecology and physiology of the plankton. Considerable attention to processes and events that demonstrate the complexity of environmental-organismal interactions. Discussion sessions treat special topics such as sampling strategies, plankton demonstrations, and critical analyses of current literature.

Note: For biology and other natural science concentrators.

Prerequisite: OEB 10 or BS 51 or BS 53, and Chemistry 7 or Chemistry 10. BS 55 (formerly Bio 19) recommended.

[*OEB 120. Physiology of Plants]

Catalog Number: 2554

N. Michele Holbrook

Half course (fall term). Hours to be arranged.

Introduction to the physiology, biochemistry, and development of plants. Topics include photosynthesis, energy balance, transport processes, growth, biomechanics, and reproduction. Emphasis on the physiological basis for structural adaptations of plants in relation to environmental constraints and on mechanisms leading to developmental and physiological integration at the whole-plant level. Laboratory sessions provide an introduction to basic measurement techniques in plant physiology.

Note: Expected to be given in 2007–08.



***OEB 121a. Advanced Structure and Physiology of the Vertebrates**

Catalog Number: 4049

Andrew A. Biewener, George V. Lauder, and Daniel E. Lieberman

Half course (spring term). Hours to be arranged.

Introduces students to experimental techniques used to investigate the structure and physiology of vertebrates. Each instructor offers research projects that are undertaken in their laboratory (limit 5 students per instructor). Students meet to introduce their project, discuss their work and progress, and to present their final results. An extensive commitment of time in the laboratory is required. Grades are based on the work completed, the oral presentation, and a short research paper.

Note: Laboratory safety session required.

Prerequisite: OEB 102 and ANTHRO 1420 preferred, and permission of instructor.

***OEB 121b. Advanced Structure and Physiology of the Vertebrates**

Catalog Number: 4670

Andrew A. Biewener and George V. Lauder

Half course (fall term). Hours to be arranged.

Students may extend the initial project undertaken in Biology 121a into a thesis research project.

Note: Laboratory safety session required.

Prerequisite: OEB 121a (formerly Bio 121a) and permission of instructor.

OEB 122a. Field Research in Ecology and Conservation - (New Course)

Catalog Number: 9324

David R. Foster, Kathleen Donohue, and N. Michele Holbrook

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Introduces students to advanced concepts in ecology and conservation in preparation for field research in the Harvard Forest Summer Program through focused reading, discussion, and field trips with individual and collaborating faculty and science teams. Topics include: introduction to long-term ecological research at the Harvard Forest; approaches to and statistical design of experiments; field sampling, historical ecological approaches and Geographic Information Systems; interdisciplinary studies in ecology and conservation; and ecological information management.

Prerequisite: OEB 55 (formerly BS 55) and permission of instructor.

[OEB 122b. Field Research in Ecology and Conservation] - (New Course)

Catalog Number: 7742

David R. Foster, Kathleen Donohue, and N. Michele Holbrook

Half course (fall term). Hours to be arranged.

Students may extend their summer field research effort through focused discussion, reading, and writing activities with individual or collaborating faculty and science teams. These activities may lead to publications, student presentations at national meetings, senior theses, or interdisciplinary collaborations. Sample research areas include: conservation biology; invasive species; forest pests and pathogens; tree physiology; forest hydrology; species range limits; global climate change; historical analysis of landscape vegetation patterns; and population biology.

Note: Expected to be given in 2007–08.

Prerequisite: OEB 55 (formerly BS 55), OEB 122a and permission of instructor.



OEB 123. Biology of Symbiosis

Catalog Number: 0508

Colleen M. Cavanaugh

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An examination of the major aspects of endosymbiosis with emphasis on mutualism, although some parasitic interactions are covered. Topics include origins of the eukaryotic cell, specificity and recognition of partners, distribution and diversity of associations, and coevolution of host and symbiont.

Prerequisite: Life Sciences 1b (or BS 50), OEB 10 (or BS 51), and MCB 52 or equivalent, or permission of instructor.

[OEB 125. Molecular Ecology and Evolution]

Catalog Number: 2691

Scott V. Edwards and guest lecturers

Half course (spring term). Hours to be arranged.

A survey of empirical applications of DNA technologies to the study of evolutionary, ecological and behavioral processes in natural populations. Topics to be covered will span a variety of hierarchical levels, timescales, and taxonomic groups, and will include the evolution of genes, genomes and proteins; evolution of multigene families and molecular clocks; population genetic and phylogenetic principles of speciation and phylogeography; DNA fingerprinting in forensics and behavioral ecology; evolutionary genetics of disease resistance; and conservation genetics.

Note: Expected to be given in 2007–08. Weekly computer laboratories will introduce the use of the internet and computational software in DNA sequence alignment and phylogenetic and population genetic analysis.

Prerequisite: Life Sciences 1b or BS 50 or MCB 52.

***OEB 130. Patterns and Processes in Fish Diversity**

Catalog Number: 4624

Karel F. Liem and George V. Lauder

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

Fishes inhabit diverse aquatic environments including deep seas, intertidal zones, coral reefs, polar waters, the vast Amazonian basin, and great East African lakes. A single fish species may occupy diverse environments through extraordinary long distance horizontal and vertical migrations. To explore this unparalleled diversity, the course emphasizes bridging traditional academic boundaries with integrative analyses of the biology underlying rapid evolutionary radiations and stasis.

Prerequisite: Life Sciences 1b (or BS 50) and OEB 10 (or BS 51), or permission of instructor.

OEB 139. Evolution of the Vertebrates

Catalog Number: 8562

Farish A. Jenkins, Jr.

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

A survey of the origination and evolution of the major groups of vertebrates, with emphasis on the anatomical and physiological transformations that occurred during the transitions to diverse lineages of fish, amphibians, reptiles, birds, and mammals. The structures and functions



exhibited in extant taxa are explored with perspectives from the fossil record.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science B.

OEB 152. Population Genetics

Catalog Number: 0903

John R. Wakeley

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Introduction to population genetic theory. Covers deterministic and stochastic theory of gene frequencies, and coalescent theory of sample-based statistics. Emphasis on patterns of genetic variation within and between populations, and how these can serve as the basis for inference about mutation, genetic drift, migration, natural selection, and population structure.

Prerequisite: OEB 53 (or BS 53), calculus, and knowledge of statistics and probability.

[OEB 155r. Biology of Insects]

Catalog Number: 2346 Enrollment: Limited to 15.

Naomi E. Pierce

Half course (fall term). Hours to be arranged.

An introduction to the major groups of insects. The life history, morphology, physiology, and ecology of the main taxa are examined through a combination of lecture, lab, and field exercises. Topics include the phylogeny of terrestrial arthropods with a review of the extant orders, an analysis of abiotic and biotic factors regulating populations, including water balance, temperature, migration, parasitism, mutualism, sociality, insect/plant interactions, medical entomology, and the use of insects in biological control.

Note: Expected to be given in 2007–08.

Prerequisite: By permission of instructor.

[OEB 156r. Tropical Insect Systematics]

Catalog Number: 0584

Brian D. Farrell

Half course (spring term). Hours to be arranged.

A lab course on the systematics and diagnosis of the 200 principal families across 26 orders of insects, including acquisition of the skills to perform rapid onsite insect biodiversity assessment and documentation in the field. Learning to identify insects to the family level using microscopes and a teaching collection. Includes a spring break fieldtrip to the Dominican Republic, during which student teams will collect and process insect specimens for database entry onsite, including digital imaging.

Note: Expected to be given in 2007–08.

Prerequisite: OEB 10 or BS 51 or BS 53 or permission of the instructor.

[OEB 157. Global Change Biology]

Catalog Number: 7055

Paul R. Moorcroft and James J. McCarthy

Half course (spring term). Hours to be arranged.

Examines natural and anthropogenic changes in the earth system and their impact on the structure and functioning of terrestrial and oceanic ecosystems. Topics include earth system history, fossil fuel emissions, changing water chemistry, ozone, species extinctions and



invasions, and human exploitation of natural resources.

Note: Expected to be given in 2007–08.

Prerequisite: BS 51 or 53 and Mathematics 1A required. BS 55 recommended.

[OEB 160. Forest Ecology]

Catalog Number: 4369

David R. Foster

Half course (fall term). Hours to be arranged.

Plant community organization, structure, and dynamics focusing primarily on the forest vegetation of northeastern North America. Field studies emphasize the role of natural and anthropogenic disturbance in controlling the pattern of vegetation, methods of vegetation analysis, and historical methods of vegetation reconstruction.

Note: Expected to be given in 2007–08. Includes two field trips to the Harvard Forest.

Prerequisite: BS 51 or permission of instructor.

[OEB 168r. Life Cycles of Plants]

Catalog Number: 5092

David A. Haig

Half course (spring term). Hours to be arranged.

A study of the diversity and evolution of plant life cycles, with an emphasis on interactions between the generations.

Note: Expected to be given in 2007–08.

OEB 174r. Topics in Behavioral Ecology

Catalog Number: 5199 Enrollment: Limited to 15.

Naomi E. Pierce and Jonathan Losos

Half course (spring term). M., 2:30–4:30. EXAM GROUP: 7, 8, 9

Current issues in neuroethology, behavior, and behavioral ecology are examined, with topics that change each year. Topics in previous years have included: Evolution of sex, Evolution of cooperation, Evolution of communication, and Learning and memory. The topic this year will focus on comparative methods in studying the evolution of behavior. The course involves invited speakers and discussion of the primary literature.

Prerequisite: OEB 57 (formerly BS 57) or MCB 80 or Science B-29 or permission of instructor.

OEB 181. Systematics

Catalog Number: 5459

Gonzalo Giribet and Charles R. Marshall

Half course (fall term). Tu., Th., 10–11:30; laboratory on Wednesdays with hours to be arranged. EXAM GROUP: 12, 13

Theory and practice of systematics, emphasizing issues associated with homology statements and alignments, methods of tree reconstruction, and hypothesis evaluation. The course combines theoretical considerations, paying especial attention to algorithmic aspects of phylogenetics, with the use of different computer programs for conducting evolutionary and phylogenetic analyses.

Prerequisite: OEB 53 (formerly BS 53), or permission of instructor required. Familiarity with computers, especially Mac and PC platforms.

**[OEB 187. Current Advances in Metazoan Diversity and Evolution]**

Catalog Number: 3220

*Gonzalo Giribet**Half course (spring term). Hours to be arranged.*

Current discoveries of new metazoan groups, their relationships to known animals, and the newest hypotheses in metazoan evolution are examined. Background in metazoan diversity and in systematics are recommended. Newly discovered animal groups, their evolutionary significance, and their possible relationships will be presented. Examples will be drawn from various phyla including Gnathostomulida, Loricifera, Cyclophora, Micrognathozoa, and other poorly understood animals. Original literature is discussed, emphasizing the evolution and relationships of the organisms presented in class.

Note: Expected to be given in 2007–08.**[OEB 189. Comparative Cell Morphogenesis]**

Catalog Number: 2195

*Jacques Dumais**Half course (fall term). Hours to be arranged.*

A survey of the different modes of cellular development in unicellular organisms and in specialized cells within multicellular organisms. Lectures will cover morphogenesis in bacteria, coccolithophores, diatoms, yeasts, fungal hyphae, ciliates, neurons, and red blood cells among others. The emphasis will be on the molecular and biophysical controls of cell shape. The functional significance of cell shape will also be discussed. Laboratories will introduce the students to the organisms studied in class.

Note: Expected to be given in 2007–08.*Prerequisite:* MCB 54 (formerly BS 54) recommended.**OEB 190. Biology and Diversity of Birds**

Catalog Number: 3870 Enrollment: Limited to 12.

*Scott V. Edwards**Half course (spring term). Tu., Th., 11:30–1 and two hours weekly of specimen laboratory.**EXAM GROUP: 13, 14*

An introduction to the biology of birds. Covers the fossil record and theories for avian origins, physiology and anatomy, higher-level systematics and field characters of the ~27 orders, speciation processes, nesting and courtship behavior, vocalizations, mating systems and sexual selection, cooperative breeding, demography and conservation. Optional field trip to the Neotropics during spring break. Laboratories will consist of gross anatomy, bird watching excursions in the Cambridge area, field techniques and specimen preparation, and systematic study of avian groups using the collections of the Museum of Comparative Zoology.

Prerequisite: OEB 10 or BS 51 or OEB 53 (formerly BS 53) or permission of the instructor.**OEB 191. Physiological and Biochemical Adaptation**

Catalog Number: 2314

*Peter R. Girguis**Half course (spring term). M., W., F., at 10. EXAM GROUP: 3*

This course examines how metabolic systems, in organisms from microbes to mammals, have evolved to maintain function throughout the wide range of habitats found on Earth. Emphasis is



placed on organismal physiology and biochemical evolution in response to the environment, including the oxygenation of earth's atmosphere and the so-called "extreme" environments. Topics will include pH regulation, thermo-tolerance, desiccation, locomotion, as well as numerous novel physiological adaptations.

Prerequisite: OEB 10 or BS 51 or BS 56 or permission of the instructor.

OEB 192. Microbial Evolution - (New Course)

Catalog Number: 5019

Christopher Marx

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

An examination of major questions regarding the evolution of microbes and how these processes compare to those for metazoans. This course will integrate lectures with discussion of primary literature and will draw upon knowledge from both laboratory-based study of experimental microcosms and comparative studies of natural populations.

Prerequisite: Life Sciences 1a and Life Sciences 1b or equivalent required. OEB 53 (formerly BS 53) or equivalent recommended but not required.

Primarily for Graduates

[OEB 208r. Issues in Historical Paleobiology: Seminar]

Catalog Number: 1344

Andrew H. Knoll

Half course (fall term). Hours to be arranged.

A seminar focusing on current issues in the history of life. Each year, a single event or time interval is explored.

Note: Expected to be given in 2007–08.

[OEB 211r. Form, Function, and Evolution]

Catalog Number: 2056

Karel F. Liem

Half course (fall term). Hours to be arranged.

Evolutionary mechanisms underlying the diversity in design of living vertebrates. Recent advances of topics selected by faculty and students.

Note: Expected to be given in 2007–08.

OEB 212r. Advanced Topics in Plant Physiology

Catalog Number: 2176

N. Michele Holbrook

Half course (fall term). Hours to be arranged.

A critical discussion of current research in plant physiology including measurement techniques, modeling, and experimental approaches.

Prerequisite: OEB 120 (formerly Bio 120) or permission of instructor.

[OEB 221. Microbial Diversity]

Catalog Number: 1234

Colleen M. Cavanaugh



Half course (fall term). Hours to be arranged.

Examines the remarkable diversity of prokaryotes. Physiological, genetic, ecological, and evolutionary characteristics of Bacteria and Archaea divisions are discussed, as well as the relation of phenotype to phylogeny.

Note: Expected to be given in 2007–08.

Prerequisite: Life Sciences 1b (formerly BS 50) and BS 51 or OEB 10, and MCB 52 or equivalent, or permission of instructor.

OEB 227. Molecular Approaches to Environmental Microbiology

Catalog Number: 4444

Colleen M. Cavanaugh

Half course (spring term). Hours to be arranged.

Critical review and discussion of current advances in our understanding of biodiversity, community structure, and metabolic activities in Bacteria and Archaea resulting from the application of cellular and molecular approaches in diverse environments

Prerequisite: Earth and Planetary Sciences 30 or permission of instructor.

***OEB 234. Topics in Marine Biology**

Catalog Number: 4637

Robert M. Woollacott

Half course (spring term). W., 2–5. EXAM GROUP: 7, 8, 9

Reproduction and dispersal of marine organisms. Human impact on marine community structure.

Note: Weekly class meeting including several laboratories and one field trip through the course of term.

***OEB 251. Introduction to Vertebrate Surgery**

Catalog Number: 2075 Enrollment: Limited to 16.

Arthur L. Lage (Medical School)

Half course (fall term). W., 1–4. EXAM GROUP: 6, 7, 8

Teaches the basic principles of aseptic surgery with emphasis on practicality. Students learn basic "open" surgery as well as newer high-tech videoscopic minimally invasive technique, obtaining hands-on experience in scrubbing, gowning, and sterile technique while serving as anesthetist and surgeon.

Note: Intended for the student interested in the application of surgical technique in higher studies in biology and related disciplines.

Prerequisite: Comparative anatomy, OEB 102 (formerly Bio 21), or equivalent course.

[OEB 252. Coalescent Theory]

Catalog Number: 0118

John R. Wakeley

Half course (fall term). Hours to be arranged.

The mathematics and computation of ancestral inference in population genetics. Theory relates observable genetic data to factors of evolution such as mutation, genetic drift, migration, natural selection, and population structure.

Note: Expected to be given in 2007–08.



Prerequisite: OEB 152 (formerly Bio 152) or permission of instructor: calculus and statistics or probability.

OEB 253r. Evolutionary Genetics Seminar

Catalog Number: 8104

John R. Wakeley

Half course (fall term; repeated spring term). Hours to be arranged.

Readings and discussion of primary literature in population and evolutionary genetics.

Prerequisite: OEB 152 (formerly Bio 152) or consent of instructor.

OEB 255. Nature and Regulation of Marine Ecosystems

Catalog Number: 7753

James J. McCarthy and guest lecturers

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

A presentation of topics that are of current interest in marine ecosystems. Emphasis on identification and quantification of biological and environmental factors important in the regulation of community structure in the intertidal, deep benthic, and planktonic realms.

Prerequisite: BS 55 and OEB 118 (formerly Bio 118).

OEB 261r (formerly Biology 261r). Seminar in Evolution and Development

Catalog Number: 8451

Elena M. Kramer

Half course (spring term). W., 1–3.

Graduate seminar will evaluate contemporary problems and issues in evolutionary developmental biology. Weekly meetings include student presentations based on assigned readings, plus occasional guest speakers. Examples will be drawn from both plants and animals.

[OEB 268r. Topics in Plant Developmental Genetics]

Catalog Number: 5020

Elena M. Kramer

Half course (fall term). Hours to be arranged.

This lecture/seminar reviews the literature related to a particular topic plant developmental genetics. Additionally, participants are familiarized with the advantages and pitfalls of molecular techniques, and the process of project design.

Note: Expected to be given in 2007–08.

Prerequisite: OEB 106 (formerly Bio 106), and Life Sciences 1b or BS 50, or MCB 52 or by permission of instructor.

[OEB 271. Natural Selection in Evolutionary Processes]

Catalog Number: 2009

Kathleen Donohue

Half course (spring term). Hours to be arranged.

This graduate level seminar explores the role of natural selection in evolutionary processes and examines the empirical methods employed to detect and interpret patterns of natural selection.

Note: Expected to be given in 2007–08.



[*OEB 272r. Origin and Evolution of Vertebrate Complex Systems]

Catalog Number: 6315

Farish A. Jenkins, Jr. and Karel F. Liem

Half course (spring term). Hours to be arranged.

Current advances in our understanding of complex structures and functions in vertebrates, their evolutionary origins, and their integration within the whole organism. Neontological and paleontological topics to be selected and presented by students and instructors.

Note: Expected to be given in 2007–08.

Prerequisite: OEB 102 (formerly Bio 102), and OEB 130 or 139 (formerly Bio 130 and Bio 139), or Medical Sciences 250ab, or equivalent.

[OEB 273. Comparative Biomechanics]

Catalog Number: 2818

Andrew A. Biewener and Jacques Dumais

Half course (spring term). Hours to be arranged.

An exploration of how animals and plants contend with their physical environment, considering their biomaterial properties, structural form, and mechanical interaction with the environment. Through lectures, seminar discussions, and student presentations based on readings, students are introduced to topics related to biomechanical performance.

Note: Expected to be given in 2007–08.

Prerequisite: Math 1a & b and Physics 11a; Math 21a recommended, or permission of instructor.

[OEB 274. Evolutionary Ecology]

Catalog Number: 2152

Kathleen Donohue

Half course (spring term). Hours to be arranged.

Graduate seminar on fundamental principles of evolutionary ecology. The course will provide the foundations of microevolutionary theory studied from an ecological perspective.

Note: Expected to be given in 2007–08.

[OEB 275r. Neutrality, Selection and Population History](#)

Catalog Number: 5004

Scott V. Edwards

Half course (fall term). Tu., 3:30–5. EXAM GROUP: 17, 18

Through reading of the primary literature, this course reviews recent empirical evidence for natural selection at the molecular level. Topics will vary depending on student interest, and could include host-parasite interactions, balancing selection, geographic variation, molecular clocks, and eukaryotic genome evolution.

Prerequisite: BS 50, BS 52 or equivalent.

[*OEB 276. Models of Development](#)

Catalog Number: 1448

Jacques Dumais

Half course (spring term). W., F., 11–12:30.

A lecture and discussion course on the modeling of animal and plant development. Topics will include analysis of gene networks, positional signaling, reaction-diffusion systems, mechano-



chemistry and tissue mechanics and remodeling. Emphasis will be on models of development that are mechanistic and well supported experimentally.

Prerequisite: Math 1a and b; Math 21a and b recommended, or permission of instructor.

OEB 278. Ecological Genetics - (New Course)

Catalog Number: 0732

Anne E. Pringle

Half course (spring term). F., 2–4. EXAM GROUP: 7, 8

Ecological genetics explores the adjustments and adaptations of wild populations to their environment. We will use the primary literature to explore how diverse organisms are actually evolving in nature, and challenge the traditional divide between evolution and ecology.

OEB 279. Topics in Microbial Metabolic Systems - (New Course)

Catalog Number: 4560

Peter R. Girguis and Christopher J. Marx

Half course (fall term). M., 12:30–3. EXAM GROUP: 5, 6, 7

This course covers microbial metabolism, with a focus on quantitative analyses and modeling. Topics will range from cellular biochemical networks to biogeochemical cycling, with an emphasis on integrating the linkages between processes across scales.

Prerequisite: Biochemistry or equivalent, or permission of instructor.

***OEB 299r. Forest Practice and Research**

Catalog Number: 6128

David R. Foster

Half course (fall term; repeated spring term). Hours to be arranged.

Field and laboratory research into the history, biology, ecology, culture, and economic problems of local, regional, and world forests. Individual research projects.

Note: Seminars, conferences, field, and laboratory work at the Harvard Forest, Petersham, Massachusetts.

Cross-listed Courses

[Human Evolutionary Biology 1420 (formerly Anthropology 1420). Human Anatomy]

***Human Evolutionary Biology 1463 (formerly *Anthropology 1463). Molecular Evolution of the Primates**

Mathematics 153. Mathematical Biology-Evolutionary Dynamics

MCB 205 (formerly Biological Sciences 205). Introduction to Graduate Study in Genetics and Genomics

Graduate Courses of Reading and Research

***OEB 303. Theoretical Population Genetics**

Catalog Number: 4248

John R. Wakeley 5680



***OEB 304. Mycology**

Catalog Number: 4702
Donald H. Pfister 4344

***OEB 305. The Fundamental Interconnectedness of All Things**

Catalog Number: 3647
David A. Haig 1629

***OEB 307. Biomechanics, Physiology and Musculoskeletal Biology**

Catalog Number: 2831
Andrew A. Biewener 1446

***OEB 308. Evolution of Floral Developmental Mechanisms**

Catalog Number: 5535
Elena M. Kramer 3791

***OEB 310. Metazoan Systematics**

Catalog Number: 3975
Gonzalo Giribet 3854

***OEB 311. Ecosystem Ecology**

Catalog Number: 6416
Paul R. Moorcroft 4174

***OEB 312. Evolutionary Ecology**

Catalog Number: 2029
Kathleen Donohue 4292

***OEB 320. Biomechanics and Evolution of Vertebrates**

Catalog Number: 8915
George V. Lauder 2375

***OEB 323. Advanced Vertebrate Anatomy**

Catalog Number: 8188
Farish A. Jenkins, Jr. 3558 (on leave spring term)

***OEB 324. Molecular Evolution**

Catalog Number: 2356
Daniel L. Hartl 3278

***OEB 325. Marine Biology**

Catalog Number: 4643
Robert M. Woollacott 4135



***OEB 334. Behavioral Ecology**

Catalog Number: 8279

Naomi E. Pierce 2889

***OEB 335. Ichthyology and Functional Anatomy of Fishes**

Catalog Number: 4640

Karel F. Liem 3843

***OEB 339. Whole-Plant Physiology**

Catalog Number: 5214

N. Michele Holbrook 1220

***OEB 341. Coevolution**

Catalog Number: 2998

Brian D. Farrell 1985

***OEB 343. Microbial Ecology and Symbiosis**

Catalog Number: 1288

Colleen M. Cavanaugh 2538

***OEB 345. Biological Oceanography**

Catalog Number: 4676

James J. McCarthy 4343

***OEB 355. Evolutionary Developmental Biology**

Catalog Number: 9192

James Hanken 2719 (on leave fall term)

***OEB 357. Population Biology and Mathematical Biology**

Catalog Number: 5392

William H. Bossert 1049

***OEB 359. Paleobotany**

Catalog Number: 0248

Andrew H. Knoll 7425

***OEB 360. Plant Biophysics**

Catalog Number: 8421

Jacques Dumais 4719

***OEB 361. Somatic Evolution of Cancer**

Catalog Number: 5791

Martin A. Nowak 4568



***OEB 362. Research in Molecular Evolution**

Catalog Number: 2367

Scott V. Edwards 5049

***OEB 363. Plant Diversity and Evolution**

Catalog Number: 0001

Charles C. Davis 5263

***OEB 364. Ecological Physiology of Microbes**

Catalog Number: 0002

Peter R. Girguis 5264

***OEB 365. Evolution of Microbes**

Catalog Number: 0003

Christopher J. Marx 5265

***OEB 366. Ecological Genetics and Mycology**

Catalog Number: 0004

Anne Pringle 5266

***OEB 367. Evolutionary and Ecological Diversity - (New Course)**

Catalog Number: 0420

Jonathan Losos 5449

***OEB 368. Oral Developmental Biology - (New Course)**

Catalog Number: 7087

Arkhat Abzhanov 5597

***OEB 399. Topics in Organismic and Evolutionary Biology**

Catalog Number: 0764

Colleen M. Cavanaugh 2538

Half course (fall term). W., 5–7 pm.

Presents the research interests and experiences of scientists in organismic and evolutionary biology. Specific topics treated vary from year to year.

Note: Required of all first-year graduate students in Organismic and Evolutionary Biology.

Philosophy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION



Faculty of the Department of Philosophy

Richard Moran, Brian D. Young Professor of Philosophy (*Chair*) (*on leave 2006-07*)
Warren Goldfarb, Walter Beverly Pearson Professor of Modern Mathematics and Mathematical Logic (*Acting Chair*)
Melissa J. Barry, Visiting Assistant Professor of Psychology (*Williams College*) (*spring term only*)
Selim Berker, Assistant Professor of Philosophy
Matthew Boyle, Assistant Professor of Philosophy
Cheryl K. Chen, Lecturer on Philosophy
Peter Godfrey-Smith, Professor of Philosophy
Edward J. Hall, Professor of Philosophy (*on leave 2006-07*)
Frances Kamm, Professor of Philosophy (*FAS*) and Littauer Professor of Philosophy and Public Policy (*Kennedy School*) (*on leave 2007-08*)
Sean D. Kelly, Professor of Philosophy
Peter Koellner, Assistant Professor of Philosophy
Christine M. Korsgaard, Arthur Kingsley Porter Professor of Philosophy (*Director of Graduate Studies*)
Douglas Lavin, Assistant Professor of Philosophy (*on leave 2006-07*)
Jeffrey K. McDonough, Assistant Professor of Philosophy
Bernhard Nickel, Assistant Professor of Philosophy
Thomas M. Scanlon, Jr., Alford Professor of Natural Religion, Moral Philosophy, and Civil Polity
Tamar B. Schapiro, Visiting Assistant Professor of Philosophy, Visiting Scholar in Philosophy (*Stanford University*) (*fall term only*)
Amartya Sen, Lamont University Professor (*on leave spring term*)
Susanna Siegel, Professor of Philosophy
Alison Simmons, Professor of Philosophy (*Head Tutor*)
Gisela Striker, Walter C. Klein Professor of Philosophy and of the Classics
Sigrun Svavarsdottir, Visiting Associate Professor of Philosophy (*Ohio State University*)

Other Faculty Offering Instruction in Philosophy

David A. Haig, George Putnam Professor of Organismic and Evolutionary Biology
Charles D. Parsons, Edgar Pierce Professor of Philosophy, Emeritus
Richard Tuck, Frank G. Thomson Professor of Government

Primarily for Undergraduates

Philosophy 3. Introduction to the Problems of Philosophy

Catalog Number: 1996

Matthew Boyle

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

Introduction to the methods of philosophical thinking, focusing on three perennial sources of philosophical puzzlement: the relation between mind and body (What do I refer to when I say "I"? Could I exist without a body?); the possibility of free will (What is required for our choices



to be free?); and the nature of time and change (What is time? What is change? Is everything that happens fated to happen?).

Philosophy 8. Introduction to Early Modern Philosophy

Catalog Number: 8947

Alison Simmons

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

A survey of 17th- and 18th-century philosophy with a focus on the major metaphysical and epistemological writings of Descartes, Locke, Hume, and Kant. Topics include the natures of mind and body, the physical world, freedom, and human knowledge. Special attention to the rise of mechanistic science (i.e. the “Scientific Revolution”).

Philosophy 19. Introduction to Philosophy of Religion - (New Course)

Catalog Number: 6837

Jeffrey K. McDonough

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

A study of some central themes in the philosophy of religion, including the relationship between faith and reason, the nature of divine activity and attributes, and the tenability of miracles.

***Philosophy 97. Tutorial - I - (New Course)**

Catalog Number: 2435

Alison Simmons

Half course (spring term). Hours to be arranged.

Note: Required for the secondary field in philosophy, and for sophomores joining the concentration at midyear.

***Philosophy 97hf. Tutorial — Sophomore Year**

Catalog Number: 1669

Alison Simmons

Half course (throughout the year). Hours to be arranged.

Note: Required of all sophomore concentrators.

***Philosophy 98hf. Tutorial — Junior Year**

Catalog Number: 5533

Alison Simmons

Half course (throughout the year). Hours to be arranged.

Note: Required of all junior concentrators.

***Philosophy 99. Tutorial — Senior Year**

Catalog Number: 4396

Alison Simmons and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Cross-listed Courses



Humanities 14. Existentialism in Literature and Film - (New Course)

Moral Reasoning 33. Issues in Ethics

[Moral Reasoning 56. Self, Freedom, and Existence]

Moral Reasoning 66. Moral Reasoning about Social Protest

Quantitative Reasoning 22. Deductive Logic

For Undergraduates and Graduates

[Philosophy 102. Aristotle]

Catalog Number: 8100

Half course (spring term). Hours to be arranged.

A critical survey of some of the key areas of Aristotle's thought, examining a selection of his views on nature, substance, change, soul and mind, and the good life.

Note: Expected to be given in 2007–08.

***Philosophy 103. Plato's Epistemology and Metaphysics: Proseminar - (New Course)**

Catalog Number: 9459

Gisela Striker

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

The development of Plato's epistemological and metaphysical views from the *Meno* to the *Theaetetus*. Texts will be: *Laches*, *Meno*, *Phaedo*, *Parmenides* part I, and *Theaetetus*.

Philosophy 109. Aristotle's Ethics and Politics - (New Course)

Catalog Number: 1830

Gisela Striker

Half course (spring term). Tu., Th., at 11; Th., at 1. EXAM GROUP: 13

A detailed discussion of Aristotle's moral and political philosophy and the connections between the two.

[Philosophy 120. The Rationalists]

Catalog Number: 2512

Jeffrey K. McDonough

Half course (fall term). Hours to be arranged.

A study of some central topics in the works of Descartes, Spinoza and Leibniz, with primary emphasis on their contributions to metaphysics and epistemology.

Note: Expected to be given in 2007–08.

Philosophy 122. British Empiricism

Catalog Number: 9025

Jeffrey K. McDonough

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

A study of the central works of Locke, Berkeley, and Hume with primary emphasis on their contributions to metaphysics and epistemology.



[*Philosophy 125. Hume's Ethical Theory: Proseminar - \(New Course\)](#)

Catalog Number: 4535

Sigrun Svavarsdottir (Ohio State University)

Half course (fall term). Tu., 4–6. EXAM GROUP: 18

A close reading of Hume's work in moral philosophy, with some attention to his work in political philosophy. We will study his challenge to ethical rationalism, his account of moral judgments, and his account of the virtues. The last topic will bring us to his theory of justice, of private property, and of political authority.

[Philosophy 129. Kant's Critique of Pure Reason](#)

Catalog Number: 0614

Matthew Boyle

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

Aims at a general understanding of the first *Critique*. An examination of the work's central metaphysical and epistemological doctrines, with primary emphasis on Kant's positive characterization of the necessary forms of our cognition in the parts of the book he calls "Transcendental Aesthetic" and "Transcendental Analytic".

[Philosophy 135. Pragmatism - \(New Course\)](#)

Catalog Number: 7527

Peter Godfrey-Smith

Half course (spring term). M., W., (F.), at 12. EXAM GROUP: 5

A chronological survey of pragmatist thought, focusing on C. S. Peirce, William James, and John Dewey, with some coverage of more recent thinkers such as Richard Rorty and Hilary Putnam.

[Philosophy 144. Logic and Philosophy](#)

Catalog Number: 1111

Warren Goldfarb

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Three philosophically important results of modern logic: Gödel's incompleteness theorems; Turing's definition of mechanical computability; Tarski's theory of truth for formalized languages. Discusses both mathematical content and philosophical significance of these results.
Prerequisite: Some knowledge of deductive logic.

[Philosophy 147. Philosophy of Language](#)

Catalog Number: 8887

Bernhard Nickel

Half course (fall term). M., W., (F.), at 12. EXAM GROUP: 5

We can understand sentences we've never heard before, so linguistic understanding must be rule-governed. We will survey different approaches to the systematic study of these linguistic rules. Readings include Frege, Russell, Quine, Putnam, Kripke, Austin, and Grice.

[Philosophy 149z. Philosophy of Science](#)

Catalog Number: 4473

Bernhard Nickel

Half course (spring term). M., W., (F.), at 11; W., at 4. EXAM GROUP: 4



Few terms are as powerful an honorific as calling something "scientific". Is there a peculiarly scientific method or subject matter? If so, what are they? Topics: Logical empiricism, Popper, Kuhn, scientific explanation, induction and confirmation, and the status of the social sciences.

Philosophy 150. Foundations of Space-Time Theory

Catalog Number: 2834

Peter Koellner

Half course (fall term). M., W., (F.), at 1. EXAM GROUP: 6

Introduction to the philosophical foundations of space-time theories from Newton to Einstein. Detailed account of flat space-times, glimpse of curved space-times. Discusses nature of physical knowledge, conventionalism, underdetermination, openness of the future, time travel.

Note: No technical background required.

Philosophy 152. Philosophy of Biology - (New Course)

Catalog Number: 3367

Peter Godfrey-Smith

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

Conceptual issues in evolutionary biology and genetics. Topics will include natural selection, biological kinds, the role of information in biology, and perhaps cultural evolution.

Philosophy 155. Carnap and Quine - (New Course)

Catalog Number: 7986

Warren Goldfarb

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

An investigation into the revolution that the Logical Positivist movement attempted to effect in philosophy, and its aftermath. Concentrates on the views of the leading positivist, Rudolf Carnap, on the verifiability theory of meaning, the analysis of empirical knowledge, the refutation of Kant's theories of geometry and mathematics, and the nature and role of philosophy; and then on to W. V. Quine's attack on positivism and his development of a post-positivist naturalism.

Philosophy 156. Philosophy of Mind

Catalog Number: 3410

Sean D. Kelly

Half course (spring term). M., W., (F.), at 1; Tu., at 5. EXAM GROUP: 6

The mind-body problem and proposed solutions to it, including dualism, behaviorism, identity theories, functionalism, and eliminativism. Theories of consciousness, subjective experience, and the mind's representation of the world. Consideration of how recent work in psychology relates to the philosophical debates. Readings by Descartes, Ryle, Smart, Armstrong, Lewis, Putnam, Fodor, Dennett, Lycan, Dretske, and others.

***Philosophy 158. History of Perceptual Theory: Proseminar - (New Course)**

Catalog Number: 1676

Alison Simmons

Half course (fall term). Th., 2-4. EXAM GROUP: 16, 17

Examines major philosophical and psychological theories of visual perception, including



inference theory, gestalt theory, ecological optics, and embodied perception theory. Attention to philosophical presuppositions these theories make about the nature of the mind and the relation between mind and world. Readings include Descartes, Berkeley, Reid, Helmholtz, Koffka, Merleau-Ponty, Gibson, and Rock.

Note: Qualifies as an MBB junior seminar.

Philosophy 159. Epistemology

Catalog Number: 5443

Selim Berker

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

An introduction to the field of epistemology. Topics include the analysis of knowledge, the problem of induction, a priori knowledge, immediate perceptual justification, foundational vs. coherence views, internalism vs. externalism, naturalized epistemology, and skepticism.

***Philosophy 161. Personal Identity and Self-knowledge: Proseminar - (New Course)**

Catalog Number: 7414

Cheryl K. Chen

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

An examination of issues concerning personal identity and self-knowledge. What makes a particular person *you*? What makes you the same person you were five years ago? What is introspection? How does knowledge of your own thoughts and experiences differ from other kinds of knowledge?

[Philosophy 164. Metaphysics]

Catalog Number: 1480

Edward J. Hall

Half course (fall term). Hours to be arranged.

Examination of several topics central to contemporary metaphysics: the nature and existence of properties; identity over time; material constitution; possibility and necessity; laws of nature. The course will close with challenges to the idea that legitimate metaphysical inquiry is possible.

Note: Expected to be given in 2007–08.

Philosophy 170z. The Nature of Normativity - (New Course)

Catalog Number: 9791

Sigrun Svavarsdottir (Ohio State University)

Half course (spring term). M., W., (F.), at 12. EXAM GROUP: 5

Are there values and moral requirements, if there is nothing beyond the natural order of things? We will critically examine several attempts to explain values and normativity within a naturalistic framework.

Philosophy 173. Metaethics - (New Course)

Catalog Number: 3541

Selim Berker

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

A close examination of three metaethical theories of a deflationary kind: moral nihilism, moral relativism, and moral expressivism.



Philosophy 175. Ethical Theory

Catalog Number: 1108

Sigrun Svavarsdottir (Ohio State University)

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

General issues within normative ethics, with special attention to what pluralistic deontologists, utilitarians, and Kantians have to say about them. What makes an action right or wrong? What value(s) ought to inform our intentional actions? How exactly ought that value (those values) inform our intentional actions? What is the relation between moral and rational action?

Philosophy 178. Equality and Democracy

Catalog Number: 7653

Thomas M. Scanlon, Jr.

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

When is economic inequality morally objectionable, and why? What kind of equality is required by just political institutions? A critical examination of some answers to these questions offered by contemporary philosophers, with special attention to the work of John Rawls.

Note: This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning.

Cross-listed Courses

Greek 110r. Plato

History of Science 107. History of Medieval Science

Indian Studies 118. Indian Philosophy: Advanced Introduction

Mathematics 141. Introduction to Mathematical Logic

Mathematics 144. Model Theory and Algebra

Religion 1511. Hegel

Primarily for Graduates

***Philosophy 221. Leibniz: Seminar - (New Course)**

Catalog Number: 7418

Jeffrey K. McDonough

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

A study of Leibniz's metaphysics, epistemology and natural philosophy.

***Philosophy 236. Merleau-Ponty: Seminar - (New Course)**

Catalog Number: 0758

Sean D. Kelly

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

A close reading of Maurice Merleau-Ponty's most important work, *Phenomenology of Perception*. Knowledge of French encouraged but not required.

***Philosophy 243. Philosophy of Logic: Seminar**

Catalog Number: 5570

Charles D. Parsons



Half course (fall term). W., 4–6. EXAM GROUP: 9

Logical problems concerning belief and other propositional attitudes and their importance for the philosophy of language. Examples are the *de re-de dicto* distinction, attitudes concerning oneself, Frege's puzzle, and Mates' and Kripke's puzzles.

***Philosophy 243w. Foundational Aspects of Set Theory: Seminar - (New Course)**

Catalog Number: 4586

Peter Koellner

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Philosophical and mathematical aspects of the program to find axioms that settle statements undecided by the standard axioms. Discusses strong axioms of infinity, definable determinacy, the continuum hypothesis, recent advances in inner model theory.

***Philosophy 249z. Foundations of Evolutionary Theory: Seminar - (New Course)**

Catalog Number: 9996

Peter Godfrey-Smith and David A. Haig

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

An examination of various conceptual issues in evolutionary theory, and the nature of evolutionary explanations.

***Philosophy 253. Perceptual Experience: Seminar - (New Course)**

Catalog Number: 9537

Susanna Siegel

Half course (spring term). M., 1–4. EXAM GROUP: 6, 7, 8

An examination of the nature of perceptual experience, with a special focus on vision.

[*Philosophy 258z. Transcendental Arguments: Seminar] - (New Course)

Catalog Number: 5041

Cheryl K. Chen

Half course (spring term). F., 1–3. EXAM GROUP: 6, 7

An examination of attempts to establish anti-skeptical claims by identifying conditions for the possibility of thought or experience.

Note: Expected to be given in 2007–08.

***Philosophy 261. Space, Time, and Substance: Seminar - (New Course)**

Catalog Number: 0963

Matthew Boyle

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

A consideration of the kinds of conceptual resources a creature must possess if it is to represent a world of mind-independent particulars, focusing primarily on seminal discussions of this topic by Strawson and Evans.

***Philosophy 268. Objective Values: Seminar - (New Course)**

Catalog Number: 7240

Sigrun Svavarsdottir (Ohio State University)

Half course (spring term). Tu., 4–6. EXAM GROUP: 18



Topics will be: reasons for thinking of values as norms for attitudes; the connection between values and norms of rationality; how to draw the distinction(s) between subjective and objective values.

***Philosophy 272w. Rights, Liberties, and Social Choice: Seminar - (New Course)**

Catalog Number: 8287

Thomas M. Scanlon, Jr., Amartya Sen, and Richard Tuck

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Ideas of rights and liberty, including human rights; their historical development, their place in contemporary political philosophy, and their relation to theories of social choice.

***Philosophy 274z. Contemporary Ethical Theory: Seminar - (New Course)**

Catalog Number: 2418

Christine M. Korsgaard and Tamar B. Schapiro (Stanford University)

Half course (fall term). F., 3–5. EXAM GROUP: 8, 9

A study of some important work in contemporary ethical theory by Thomas Nagel, Stephen Darwall, Allan Gibbard, Peter Railton, and Michael Thompson, all of whom will visit the seminar.

Note: Enrollment with permission of instructor only.

***Philosophy 275z. Practical Reason: Seminar - (New Course)**

Catalog Number: 5123

Christine M. Korsgaard and Melissa J. Barry (Williams College)

Half course (spring term). F., 3–5. EXAM GROUP: 8, 9

A study of some important recent work on the theory of practical reason by David Velleman, John Broome, Michael Smith, Jay Wallace, and Joseph Raz, all of whom will visit the seminar.

Note: Enrollment with permission of instructor only.

***Philosophy 278. Nonconsequentialist Ethical Theory: Seminar**

Catalog Number: 4732

Frances Kamm (Kennedy School)

Half course (spring term). W., 4–6. EXAM GROUP: 9

Topics include: principles of permissible harm to persons; the role of intention, the theory of rights, nonconsequentialist approaches to distribution of goods and harms, and applications to issues in the morality of war and terrorism.

***Philosophy 299hf. Individual Supervision**

Catalog Number: 8076

Christine M. Korsgaard and members of the Department

Half course (throughout the year). Hours to be arranged.

Note: Required of candidates for the AM or PhD in Philosophy. Consult the Department's *Supplement to the General Announcement* for details.

Cross-listed Courses



[Classical Philology 228. Plato on Poets and Poetry - \(New Course\)](#)

[*Government 2044. Hegel and Marx - \(New Course\)](#)

[*Government 2069. Contemporary Virtue Ethics - \(New Course\)](#)

[*Government 2082. Religion and the First Amendment](#)

[*History of Science 206r. Ancient Science: Seminar](#)

[*History of Science 207r. Medieval Science: Seminar](#)

[History of Science 297r. Topics in the History of Medieval Latin Science](#)

[*History of Science 298r. The Establishment of Medieval Latin Scientific and Philosophical Texts: Seminar](#)

Graduate Courses of Reading and Research

***Philosophy 300a. Colloquium**

Catalog Number: 5615

Peter Godfrey-Smith 3338

Half course (fall term). Hours to be arranged.

An intensive study—in small, informal seminars—of selected problems in contemporary philosophy.

Note: Limited to first-year graduate students in the Department.

***Philosophy 300b. Colloquium**

Catalog Number: 6280

Cheryl K. Chen 5585

Half course (spring term). Hours to be arranged.

Continuation of Philosophy 300a.

***Philosophy 303. Colloquium: Dissertation Presentations**

Catalog Number: 1089

Susanna Siegel 2441

Half course (fall term; repeated spring term). Hours to be arranged.

***Philosophy 305. Individual Reading and Research**

Catalog Number: 4462

Selim Berker 5514, Matthew Boyle 5279, Peter Godfrey-Smith 3338, Warren Goldfarb 4499, Edward J. Hall 5324 (on leave 2006-07), Frances Kamm (Kennedy School) 4280 (on leave 2007-08), Sean D. Kelly 5515, Peter Koellner 4680, Christine M. Korsgaard 2994, Douglas Lavin 5091 (on leave 2006-07), Jeffrey K. McDonough 5280, Richard Moran 1786 (on leave 2006-07), Bernhard Nickel 5516, Thomas M. Scanlon, Jr. 7986, Amartya Sen 1705 (on leave spring term), Susanna Siegel 2441, Alison Simmons 1300, Gisela Striker 2271, and Sigrun Svavarsdottir (Ohio State University) 5518

Half course (fall term; repeated spring term). Hours to be arranged.

***Philosophy 310. Research Seminars**

Catalog Number: 4465

Selim Berker 5514, Matthew Boyle 5279, Peter Godfrey-Smith 3338, Warren Goldfarb 4499, Edward J. Hall 5324 (on leave 2006-07), Frances Kamm (Kennedy School) 4280 (on leave



2007-08), *Sean D. Kelly* 5515, *Peter Koellner* 4680, *Christine M. Korsgaard* 2994, *Douglas Lavin* 5091 (on leave 2006-07), *Jeffrey K. McDonough* 5280, *Richard Moran* 1786 (on leave 2006-07), *Bernhard Nickel* 5516, *Thomas M. Scanlon, Jr.* 7986, *Amartya Sen* 1705 (on leave spring term), *Susanna Siegel* 2441, *Alison Simmons* 1300, *Gisela Striker* 2271, and *Sigrun Svavarsdottir (Ohio State University)* 5518

Small seminars on specialized topics, arranged by members of the Department in consultation with suitably prepared graduate students. Seminars will be listed individually with numbers from 311 through 398.

***Philosophy 311. Workshop in Moral and Political Philosophy**

Catalog Number: 5370

Selim Berker 5514 and *Thomas M. Scanlon, Jr.* 7986
Half course (fall term; repeated spring term). M., 4–6.

A forum for the presentation and discussion of work in progress by students in moral and political philosophy. Open only to graduate students in the Philosophy Department or by invitation of the instructors.

***Philosophy 312. Workshop in Metaphysics and Epistemology**

Catalog Number: 0576

Matthew Boyle 5279 and *Susanna Siegel* 2441
Half course (fall term; repeated spring term). M., 4–6.

A forum for the presentation and discussion of work in progress by students in metaphysics and epistemology. Open only to graduate students in the Philosophy Department or by invitation of the instructors.

***Philosophy 333. Preparation for the Topical Examination**

Catalog Number: 1967

Selim Berker 5514, *Matthew Boyle* 5279, *Peter Godfrey-Smith* 3338, *Warren Goldfarb* 4499, *Edward J. Hall* 5324 (on leave 2006-07), *Frances Kamm (Kennedy School)* 4280 (on leave 2007-08), *Sean D. Kelly* 5515, *Peter Koellner* 4680, *Christine M. Korsgaard* 2994, *Douglas Lavin* 5091 (on leave 2006-07), *Jeffrey K. McDonough* 5280, *Richard Moran* 1786 (on leave 2006-07), *Bernhard Nickel* 5516, *Thomas M. Scanlon, Jr.* 7986, *Amartya Sen* 1705 (on leave spring term), *Susanna Siegel* 2441, *Alison Simmons* 1300, and *Gisela Striker* 2271

Required in both fall and spring terms of all third-year graduate students in the Department.

***Philosophy 399. Direction of Doctoral Dissertations**

Catalog Number: 3283

Selim Berker 5514, *Matthew Boyle* 5279, *Peter Godfrey-Smith* 3338, *Warren Goldfarb* 4499, *Edward J. Hall* 5324 (on leave 2006-07), *Frances Kamm (Kennedy School)* 4280 (on leave 2007-08), *Sean D. Kelly* 5515, *Peter Koellner* 4680, *Christine M. Korsgaard* 2994, *Douglas Lavin* 5091 (on leave 2006-07), *Jeffrey K. McDonough* 5280, *Richard Moran* 1786 (on leave 2006-07), *Bernhard Nickel* 5516, *Thomas M. Scanlon, Jr.* 7986, *Amartya Sen* 1705 (on leave spring term), *Susanna Siegel* 2441, *Alison Simmons* 1300, and *Gisela Striker* 2271



Physics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Physics

John Huth, Donner Professor of Science (*Chair*)
Nima Arkani-Hamed, Professor of Physics
Howard C. Berg, Herchel Smith Professor of Physics and Professor of Molecular and Cellular Biology
George Brandenburg, Senior Research Fellow in Physics
Eugene A. Demler, Professor of Physics (*on leave spring term*)
John M. Doyle, Professor of Physics
Gary J. Feldman, Frank B. Baird, Jr. Professor of Science
Daniel S. Fisher, Professor of Physics and Professor of Applied Physics (*on leave fall term*)
Melissa Franklin, Mallinckrodt Professor of Physics (*Director of Graduate Studies*)
Gerald Gabrielse, George Vasmer Leverett Professor of Physics
Davide Gaiotto, Lecturer on Physics
Peter L. Galison, Joseph Pellegrino University Professor
Howard Georgi, Harvard College Professor and Mallinckrodt Professor of Physics (*Director of Undergraduate Studies*)
Roy J. Glauber, Mallinckrodt Professor of Physics
Jene A. Golovchenko, Rumford Professor of Physics and Gordon McKay Professor of Applied Physics
Markus Greiner, Assistant Professor of Physics
Joao Pedro Guimaraes Da Costa, Assistant Professor of Physics
Bertrand I. Halperin, Hollis Professor of Mathematicks and Natural Philosophy (*on leave spring term*)
Lene V. Hau, Mallinckrodt Professor of Physics and of Applied Physics
Thomas C. Hayes, Lecturer on Physics
Eric J. Heller, Professor of Chemistry and Physics
Jennifer E. Hoffman, Assistant Professor of Physics
Paul Horowitz, Professor of Physics and of Electrical Engineering
Arthur M. Jaffe, Landon T. Clay Professor of Mathematics and Theoretical Science
Efthimios Kaxiras, Gordon McKay Professor of Applied Physics and Professor of Physics
Mikhail D. Lukin, Professor of Physics
Vinothan N. Manoharan, Assistant Professor of Physics and Chemical Engineering
Charles M. Marcus, Professor of Physics
Paul C. Martin, John Hasbrouck Van Vleck Professor of Pure and Applied Physics (*on leave fall term*)
Eric Mazur, Gordon McKay Professor of Applied Physics and Professor of Physics
Masahiro Morii, John L. Loeb Associate Professor of the Natural Sciences
David J. Morin, Lecturer on Physics (*Assistant Director of Undergraduate Studies*)



Lubos Motl, Assistant Professor of Physics
 Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences, Professor of Physics, Dean of the School of Engineering and Applied Sciences
 William J. Nellis, Lecturer on Physics
 David R. Nelson, Arthur K. Soloman Professor of Biophysics and Professor of Physics and Applied Physics
 Peter S. Pershan, Frank B. Baird, Jr. Professor of Science
 Mara Prentiss, Mallinckrodt Professor of Physics
 Lisa Randall, Professor of Physics
 Subir Sachdev, Professor of Physics (*on leave spring term*)
 Aravinthan D. T. Samuel, Associate Professor of Physics
 Irwin I. Shapiro, Timken University Professor
 Isaac F. Silvera, Thomas D. Cabot Professor of the Natural Sciences
 Andrew Strominger, Professor of Physics
 Christopher Stubbs, Professor of Physics and of Astronomy
 Cumrun Vafa, Donner Professor of Science (*on leave 2006-07*)
 Ronald L. Walsworth, Senior Lecturer on Physics
 David A. Weitz, Mallinckrodt Professor of Physics and of Applied Physics
 Robert M. Westervelt, Mallinckrodt Professor of Applied Physics and of Physics (*on leave spring term*)
 Tai T. Wu, Gordon McKay Professor of Applied Physics and Professor of Physics (*on leave spring term*)
 Amir Yacoby, Professor of Physics
 Matias Zaldarriaga, Professor of Astronomy and of Physics
 Xiaowei Zhuang, Professor of Chemistry and Chemical Biology

Other Faculty Offering Instruction in Physics

James G. Anderson, Philip S. Weld Professor of Atmospheric Chemistry
 Gerald Holton, Mallinckrodt Professor of Physics and Professor of the History of Science, *Emeritus*
 Andrew J. M. Kiruluta, Assistant Professor of Radiology (*Medical School*)
 Charles M. Lieber, Mark Hyman, Jr. Professor of Chemistry
 Hongkun Park, Professor of Chemistry and Chemical Biology
 Howard A. Stone, Vicky Joseph Professor of Engineering and Applied Mathematics
 George M. Whitesides, Woodford L. and Ann A. Flowers University Professor

There are three separate calculus-based sequences of courses covering introductory physics: Physical Sciences 1, 2, and 3 and Physics 11a, 11b, or at the intermediate calculus level, Physics 15a, 15b, 15c. Each of the three sequences is designed to be a self-contained treatment of classical physics.

Students who expect to concentrate in physics or one of the other sciences in which physics plays a major role will usually take the Physics 15 sequence followed by Physics 143a, b. Students with excellent high-school preparation may begin the Physics 15 sequence taking Physics 16 instead of Physics 15a. Physics 16 is a course in mechanics and special relativity specifically



designed for students who have done well in a high-school advanced placement course.

Physical Sciences 1, 2, and 3 present an introductory treatment of college physics and chemistry in 3 semesters. The courses will be thematically driven, with the themes being related to major societal issues and/or biological systems where appropriate. The Physical Sciences sequence is designed to meet 2 semesters of the physics as well as 1 semester of the chemistry required by all medical schools, and is intended to teach physical concepts in a way that is immediately relevant to students in the life sciences.

Most medical schools also accept the Physics 15 or Physics 11 sequences. Premedical students should inquire at the medical schools to which they expect to apply. Students who do not intend to take advanced courses in the mathematical sciences, and especially those concentrating in biology or biochemistry, may find that the Physical Sciences 1, 2, and 3 sequence covers a broader range of subject matter, and might more appropriately serve their needs than Physics 11a and 11b.

Further details may be found under the individual course headings.

Primarily for Undergraduates

Physical Sciences 1. Chemical Bonding, Energy, and Reactivity: An Introduction to the Physical Sciences - (New Course)

Catalog Number: 2225

James G. Anderson, Efthimios Kaxiras, Charles M. Lieber, and Hongkun Park

Half course (spring term). M., W., F., at 9, plus one hour per week of discussion and three hours per week of laboratory to be arranged. EXAM GROUP: 2

Physical sciences 1 engages the principles of chemistry and physics within major conceptual themes that underpin critical contributions of the physical sciences to societal objectives. In particular, the concepts central to chemical bonding, kinetic theory of molecular motion, thermochemistry, kinetics, equilibria, entropy and free energy, acids and bases, electrochemistry, and nuclear chemistry will be taught in the context of (1) world energy sources, forecasts and constraints, (2) global climate change, and (3) modern materials and technology.

Note: This course is part of an integrated introduction to the physical science intended for students who plan to pursue a concentration in the physical or life sciences and/or satisfy pre-medical requirements in Chemistry. May not be counted toward a degree in addition to the former Chemistry 7. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: A few operations of calculus are developed and used. Fluency in pre-calculus secondary school mathematics is assumed. Exposure to secondary school physics and chemistry is helpful.

Physical Sciences 2. Mechanics, Elasticity, Fluids, and Diffusion - (New Course)

Catalog Number: 6053

Melissa Franklin, Andrew J. M. Kiruluta (Medical School), and Howard A. Stone

Half course (fall term). Tu., Th., 9:30–11, plus weekly discussion sections and laboratory sessions to be arranged. EXAM GROUP: 11, 12



An introduction to classical mechanics, with special emphasis on the motion of organisms in fluids, from proteins to planets. Topics covered include: kinematics, Newton's laws of motion, oscillations, elasticity, random walks, diffusion, and fluids. Examples and problems set questions will be drawn from the life sciences and medicine.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Physical Sciences 1 (or Chemistry 7), Mathematics 1b, or the equivalent.

Physical Sciences 3. Electromagnetism, Light, Entropy, and Information - (New Course)

Catalog Number: 5262

Masahiro Morii, Aravinthan D. T. Samuel, and George M. Whitesides

Half course (spring term). Tu., Th., 9:30–11, plus weekly discussion sections and five laboratory sessions to be arranged. EXAM GROUP: 11, 12

This course will examine the two universal driving forces that guide nearly all chemical and biological phenomena: electromagnetism and entropy. Detailed case studies will examine the biological applications of electromagnetic radiation and the role of information in biological systems. Topics covered include: electric and magnetic fields and forces, light, waves, entropy, and information processing in electronic circuits and in biology.

Note: This course is part of an integrated introduction to the physical sciences intended for students who plan to pursue a concentration in the life sciences and/or satisfy pre-medical requirements in Physics. May not ordinarily be taken for credit in addition to Physics 1b, 11b, or 15b.

Prerequisite: Physical Sciences 2 (or Physics 1a or 11a), Mathematics 1b, or equivalent.

Physics 11a. Mechanics

Catalog Number: 3131

David A. Weitz and Eric Mazur

Half course (fall term). Tu., Th., 11:30–1; weekly ninety-minute discussion sections. EXAM GROUP: 13, 14

Physics 11a is the first half of a one-year physics sequence. It introduces classical mechanics, including the laws of conservation of energy, momentum, and angular momentum; translational motion of particles, rigid bodies, and fluids; rotational motion of rigid bodies; and description of waves. Physics 11a may be taken by students who have taken or who are concurrently taking Mathematics 21a or 23a or Applied Mathematics 21a. Calculus is used routinely but the emphasis is placed on the basic concepts.

Note: Physics 11a may not be taken for credit by students who have passed Physics 15a or 16. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Physics 11b. Electricity, Magnetism, and Waves

Catalog Number: 5472

Eric Mazur and David A. Weitz

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Physics 11b is the second half of a one-year physics sequence. It covers the basic phenomena of electricity and magnetism, elements of circuits with selected applications, Maxwell's equations, electromagnetic waves, and a brief introduction to quantum physics.

Note: May not be taken for credit by students who have passed Physics 15b or Physics 15c. This



course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Physics 11a; Mathematics 21a or 23a.

Physics 15a. Introductory Mechanics and Relativity

Catalog Number: 1984

David J. Morin

Half course (fall term; repeated spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Newtonian mechanics and special relativity. Topics include vectors; kinematics in three dimensions; Newton's laws; force, work, power; conservative forces, potential energy; momentum, collisions; rotational motion, angular momentum, torque; static equilibrium, oscillations, simple harmonic motions; gravitation, planetary motion; fluids; special relativity.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science A. Laboratory sessions may be arranged.

Prerequisite: Mathematics preparation at least at the level of Mathematics 1b concurrently is required. However, some elementary ideas from multivariable calculus may be used and students are encouraged to take Mathematics 21a concurrently.

Physics 15b. Introductory Electromagnetism

Catalog Number: 2701

George Brandenburg (fall term); Nima Arkani-Hamed and John Huth (spring term)

Half course (fall term; repeated spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Electricity and magnetism at the level of Purcell's book. Covers all topics in Purcell including Maxwell's equations in differential form and electric and magnetic fields in materials.

Note: Laboratory "zap" electronics lab in a toolbox—students work on the labs in their dorm rooms—afternoon and evening help labs are scheduled. Laboratories will be under the supervision of Thomas C. Hayes. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Physics 15a, Physics 16, or written permission of the Head Tutor in Physics. Mathematics preparation at least at the level of Mathematics 21a taken concurrently is required. Vector calculus, div, grad and curl are used extensively—in principle, this is taught in the course. Students taking Mathematics 21a concurrently will likely find that some concepts are introduced in Physics 15b before they have seen them in Mathematics 21a. Some students may wish to postpone Physics 15b until they have completed Mathematics 21a.

Physics 15c. Wave Phenomena

Catalog Number: 8676

Ronald L. Walsworth and Joao Guimaraes da Costa (fall term) and Howard Georgi (spring term)

Half course (fall term; repeated spring term). Tu., Th., 1:30-3, and three hours per week of conference and laboratory. EXAM GROUP: 15, 16

Forced oscillation and resonance; coupled oscillators and normal modes; Fourier series; Electromagnetic waves, radiation, longitudinal oscillations, sound; traveling waves; signals, wave packets and group velocity; two- and three-dimensional waves; polarization; geometrical and physical optics; interference and diffraction. Optional topics: Water waves, holography, x-ray crystallography. Solitons.

Note: Laboratory: Continuation of "zap" plus additional labs. Laboratories will be under the



supervision of Thomas C. Hayes. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Physics 15b and mathematics preparation at the level of Mathematics 21b taken concurrently. Some prior knowledge of complex numbers (for example as taught in Mathematics 1b) is helpful. Multivariable calculus is used in the treatment of the wave equation, but plays a much less central role than in Physics 15b.

Physics 16. Mechanics and Special Relativity

Catalog Number: 2019

Howard Georgi

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Newtonian mechanics and special relativity for students with good preparation in physics and mathematics at the level of the advanced placement curriculum. Topics include an introduction to Lagrangian mechanics, Noether's theorem, special relativity, collisions and scattering, rotational motion, angular momentum, torque, the moment of inertia tensor, oscillators damped and driven, gravitation, planetary motion, and an introduction to cosmology.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science A. Laboratory sessions may be arranged.

Prerequisite: Score of 5 on the mechanics section of the Physics C Advanced Placement exam, or equivalent. Mathematics preparation at least at the level of Mathematics 21a taken concurrently is required. Thorough knowledge of calculus of one variable and vectors plus some mathematical sophistication. The mathematical level will be significantly higher than that of Physics 15a.

***Physics 90r. Supervised Research**

Catalog Number: 2460

David J. Morin and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Primarily for selected concentrators in Physics, or in Chemistry and Physics, who have obtained honor grades in Physics 15 and a number of intermediate-level courses. The student must be accepted by some member of the faculty doing research in the student's field of interest. The form of the research depends on the student's interest and experience, the nature of the particular field of physics, and facilities and support available. Students wishing to write a senior thesis can do so by arranging for a sponsor and enrolling in this course. A list of possible faculty sponsors and their fields is available in Lyman 233 and on the Physics Department Web page. Course enrollment forms may be obtained from Lyman 233.

***Physics 91r. Supervised Reading Course for Undergraduates**

Catalog Number: 1218

David J. Morin and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open to selected concentrators in Physics, Chemistry and Physics, and other fields who wish to do supervised reading and studying of special topics in physics. Ordinarily such topics do not include those covered in a regular course of the Department. Honor grades in Physics 15 and a number of intermediate-level courses are ordinarily required. The student must be accepted by a member of the faculty. A list of possible faculty sponsors and their fields is available in Lyman



233 and on the Physics Department Web page. Course enrollment forms may be obtained from Lyman 233.

***Physics 95. Topics in Current Research**

Catalog Number: 2806

Isaac F. Silvera

Half course (fall term). M., at 3, W., 7:30–9 pm.

The goal of this tutorial is to guide students from learning physics by subject (E&M, quantum mechanics, etc.) to appreciating physics as an intense, diverse discipline of modern research. Every Wednesday evening a faculty member speaks on his/her area of research, preceded by assigned reading and a lecture designed to introduce students to some of the basic physics, as well as important developments and burning problems at the frontiers of research.

Note: Primarily for junior and senior concentrators.

Cross-listed Courses

***Freshman Seminar 22z. Quantitative Methods in Public Policy Decisions Science A-29. The Nature of Light and Matter**

For Undergraduates and Graduates

Certain physics courses are offered in several other departments. See especially the offerings of the Division of Engineering and Applied Sciences.

[Physics 120 (formerly Physics 121). History and Philosophy of Modern Physics]

Catalog Number: 0160

Peter L. Galison

Half course (spring term). Hours to be arranged.

Philosophical questions raised by historical developments in 20th and 21st century physics, and conversely, historical-scientific questions raised by philosophical inquiry. Special and general relativity. Issues in quantum mechanics surrounding causality, determinism, realism, and probabilism. Atomic and thermonuclear weapons. Growth of large-scale experimental high-energy physics. What is meant by "unified" field theories? Is a reductionist theory of nature possible? Rise of string theory and nanosciences. Readings: scientific, historical, and philosophical texts.

Note: Expected to be given in 2007–08. May not be taken for credit by students who have taken History of Science 120.

Prerequisite: An introductory course in college physics, preferably at the level of Physics 15c.

Physics 123. Laboratory Electronics

Catalog Number: 0864 Enrollment: Limited to 22 students per section.

Paul Horowitz and Thomas C. Hayes

Half course (fall term; repeated spring term). Section I: Tu., Th., 1:30–5; Section II: W., F., 1:30–5. EXAM GROUP: 15, 16

A lab-intensive introduction to electronic circuit design. Develops circuit intuition and debugging skills through daily hands-on lab exercises, each preceded by class discussion, with



minimal use of mathematics and physics. Moves quickly from passive circuits, to discrete transistors, then concentrates on operational amplifiers, used to make a variety of circuits including integrators, oscillators, regulators, and filters. The digital half of the course treats analog-digital interfacing, emphasizes the use of microcontrollers and programmable logic devices (PLDs).

Note: Regardless of section choice, all students must attend first course meeting on 9/19/06 or 1/31/07 at 1:30 in Science Center 206.

Physics 125. Widely Applied Physics

Catalog Number: 6990

John M. Doyle

Half course (spring term). M., W., 12–1:30. EXAM GROUP: 5, 6

Applies elementary physics to real things and practical situations. Emphasis is on developing physical intuition and the ability to do order-of-magnitude calculations. New physical concepts are introduced as necessary. Example topics: the Big Bang, stars, nuclear reactions, and searches for extra-solar planets; aerodynamics, rockets and spacecraft; materials properties; electronic noise, lasers, and the global positioning system; magnetic resonance imaging, physiology of major organs, and health risks; energy use and production; climate and global change.

Prerequisite: Physics 15a, b, c, and mathematics at the level of Mathematics 21a (which may be taken concurrently). Physics 143a and 181 helpful, but not required.

Physics 136. Physics of Medical Imaging

Catalog Number: 0182

Andrew J. M. Kiruluta (Medical School)

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Presents the physics of modern medical imaging techniques. Explores the physics of diagnostic imaging from a unified electromagnetics' viewpoint ranging from a simple mapping of radiation attenuation coefficients in X-ray, gamma radiative single photon (SPECT) and double photon (positron) emission tomography (PET), echo measurements in ultrasound, interferometric pulse echo characterization in optical coherence tomography (OCT) to resonance absorption in a nuclear magnetic resonance (NMR) induced inhomogeneously broadened RF absorber.

Prerequisite: Physics 15b or 11b and mathematics preparation at least to the level of Mathematics 21b taken concurrently. Physics 143a and b are recommended but not essential.

[Physics 140. Introduction to Biophysics]

Catalog Number: 5394

Howard C. Berg and Aravinthan D. T. Samuel

Half course (spring term). Hours to be arranged.

An introduction to the physics and biology of stochastic processes that affect the behavior of cells, biopolymers and biological motors. Elements of probability and statistics, entropic elasticity, the random walk, diffusion, sedimentation and electrophoresis. Applications to sensory physiology, cell motility, stretching and twisting of DNA and the motion of motors along biopolymers.

Note: Expected to be given in 2007–08. Given in alternate years. Lectures, problem sets, discussions. May not be taken for credit by students who have taken MCB 140.



Prerequisite: Mathematics at the level of 21a, Physics 15a, b or Physics 11a, b or permission of the instructor. Some familiarity with elementary statistical mechanics helpful.

Physics 141. The Physics of Sensory Systems in Biology - (New Course)

Catalog Number: 1284

Aravinthan D. T. Samuel

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Living organisms use sensory systems to inform themselves of the sights, sounds, and smells of their surrounding environments. Sensory systems are physical measuring devices, and are therefore subject to certain limits imposed by physics. Here we will consider the physics of sensory measurement and perception, and study ways that biological systems have solved their underlying physical problems. We will discuss specific cases in vision, olfaction, and hearing from a physicist's point of view.

Prerequisite: Physics 11a,b or 15 a,b,c required. Physics 181 recommend, but not required.

Physics 143a. Quantum Mechanics I

Catalog Number: 1050

Lene V. Hau (fall term) and Gerald Gabrielse (spring term)

Half course (fall term; repeated spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Introduction to nonrelativistic quantum mechanics: uncertainty relations; Schrödinger equation; Dirac notation; matrix mechanics; one-dimensional problems including particle in box, tunneling, and harmonic oscillator; angular momentum, hydrogen atom, spin, Pauli principle; time-independent perturbation theory; scattering.

Prerequisite: Linear algebra including matrix diagonalization; Physics 15c or written permission of the Head Tutor.

Physics 143b. Quantum Mechanics II

Catalog Number: 0253

Gary J. Feldman

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Further techniques and applications of quantum mechanics, including quantum statistics, Bose-Einstein condensation, advanced topics in angular momentum: rotations, tensor operators and the Wigner-Eckart theorem, variational methods, time-dependent perturbation theory, nuclear magnetic resonance, emission and absorption of radiation, quantization of the radiation field, Casimir effect, adiabatic approximation, geometrical phases, Aharonov-Bohm effect, collision theory, measurement theory, Bell's inequality, and an introduction to quantum computing.

Prerequisite: Physics 143a.

Physics 145. Elementary Particle Physics

Catalog Number: 6057

Melissa Franklin

Half course (spring term). Lecture meets M.,W., (F.,) at 10; seminars and sections Tu., Th., 7:30–9 pm, as needed. EXAM GROUP: 3

Introduction to elementary particle physics. Emphasis is on concepts and phenomenology rather than on a detailed calculational development of theories. Starts with the discovery of the electron in 1897, ends with the theoretical motivation for the Higg's boson, and attempts to cover



everything important in between. Taught partly in seminar mode, with each student presenting a classic paper of the field.

Prerequisite: Physics 143a. Physics 143b or equivalent is useful.

Physics 151. Mechanics

Catalog Number: 2068

Arthur M. Jaffe

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Fundamental ideas of classical mechanics including contact with modern work and applications. Topics include Lagrange's equations, the role of variational principles, symmetry and conservation laws, Hamilton's equations, Hamilton-Jacobi theory and phase space dynamics. Applications to celestial mechanics, quantum mechanics, the theory of small oscillations and classical fields, and nonlinear oscillations, including chaotic systems presented.

Note: May not be taken for credit in addition to Engineering Sciences 125.

Prerequisite: Physics 15a, b or written permission of the Head Tutor; Mathematics 21a, b or equivalent.

Physics 153. Electrodynamics

Catalog Number: 0264

Matias Zaldarriaga

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Aimed at advanced undergraduates. Emphasis on the properties and sources of the electromagnetic fields and on the wave aspects of the fields. Course starts with electrostatics and subsequently develops the Maxwell equations. Topics: electrostatics, dielectrics, magnetostatics, electrodynamics, radiation, wave propagation in various media, wave optics, diffraction and interference. A number of applications of electrodynamics and optics in modern physics are discussed.

Prerequisite: Physics 15 a, b, and c, or written permission of the Head Tutor; Mathematics 21a, b or equivalent.

[Physics 167. Condensed Matter Physics of Modern Technologies]

Catalog Number: 4654

Eugene A. Demler

Half course (spring term). Hours to be arranged.

This course will explore how recent developments in condensed matter physics are expanding the frontiers of modern technologies. We will review semiconducting, magneto- and optoelectronic devices, magnetoresistive materials, carbon nanotubes, and high temperature superconductors. Technologies in the earliest stages of their development, such as nanotechnology, quantum computations and communication, will also be discussed.

Note: Expected to be given in 2007–08.

Prerequisite: Quantum mechanics (Physics 143a).

Physics 175. Quantum Electronics and Modern Optics - (New Course)

Catalog Number: 9076

Markus Greiner

Half course (fall term). W., F., 1:30–3. EXAM GROUP: 6, 7



Introduction to quantum electronics (laser physics) and modern optical physics aimed at advanced undergraduates. Review of electromagnetic theory and relevant aspects of quantum mechanics. Wave nature of light. Physics of basic optical elements. Propagation of focused beams, optical resonators, dielectric waveguides. Interaction of light with matter. Lasers. Physics of specific laser systems. Introduction to nonlinear optics. Modern applications.

Prerequisite: Physics 15b, 15c, 143a, or permission of the instructor

Physics 181. Statistical Mechanics and Thermodynamics

Catalog Number: 6346

Vinothan N. Manoharan

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Introduction to thermal physics: basic concepts of thermodynamics (energy, heat, work, temperature, entropy), classical and quantum ensembles and their origins, and distribution functions. Applications include Debye's theory of solids, Planck's theory of black body radiation, classical and quantum gases, magnetism and phase transitions.

Note: May not be taken for credit in addition to Engineering Sciences 181.

Prerequisite: Physics 143a or equivalent.

Physics 191r. Advanced Laboratory

Catalog Number: 7711 Enrollment: Together with Physics 247r, limited to a total of 24 students.

Peter S. Pershan, Charles M. Marcus, and Amir Yacoby (fall term); Peter S. Pershan, Mara Prentiss, and William J. Nellis (spring term)

Half course (fall term; repeated spring term). Tu., Th., 1–5. EXAM GROUP: 15, 16, 17, 18

Students carry out three experimental projects selected from those available representing condensed matter, atomic, nuclear, and particle physics. Included are nuclear magnetic resonance, microwave spectroscopy, optical pumping, scattering of laser light, neutron activation of radioactive isotopes, Compton scattering of gamma rays, the relativistic mass of the electron, recoil free gamma-ray resonance, the lifetime of the muon, studies of superfluid helium, positron annihilation superconducting transitions, the quantum Hall effect, and properties of semiconductors. The facilities of the laboratory include several computers that are used extensively in the laboratory.

Note: A substantial amount of outside reading is expected.

Prerequisite: Physics 15. Physics 143a is recommended.

[Physics 195. Introduction to Solid State Physics]

Catalog Number: 2978

Eugene A. Demler

Half course (fall term). Hours to be arranged.

Fundamental physical properties of crystalline solids discussed in terms of the basic principles of classical and quantum physics. Crystal structure, lattice vibrations, specific heat, energy band theory of metals and semiconductors and insulators, electrical transport in metals and semiconductors, optical and magnetic properties, superconductivity.

Note: Expected to be given in 2007–08. Designed as a first course in solid state physics for students with knowledge of elementary quantum mechanics (Physics 143a). Some knowledge of statistical physics (Physics 181) is also helpful, but not a formal prerequisite. Students who propose to take Applied Physics 295a in the spring term, and who have not previously taken a



formal course in solid state physics, are strongly advised to take this course first. It is suggested that students may wish to take Applied Physics 195 when this course is bracketed.

Cross-listed Courses

[**Applied Mathematics 147. Nonlinear Dynamical Systems**]

[Applied Physics 195. Introduction to Solid State Physics](#)

[Astronomy 145. Topics in Astrophysics](#)

[Astronomy 150. Radiative Processes in Astrophysics](#)

[Astronomy 191. Astrophysics Laboratory](#)

[**Astronomy 192. Tools and Techniques of Astronomical Measurements**]

[Chemistry 160. Physical Chemistry](#)

[Chemistry 161. Statistical Thermodynamics](#)

[Chemistry 163. Frontiers in Biophysics](#)

[Chemistry 165. Experimental Physical Chemistry](#)

[**Earth and Planetary Sciences 131. Introduction to Physical Oceanography and Climate**]

[Engineering Sciences 120. Introduction to the Mechanics of Solids](#)

[Engineering Sciences 123. Introduction to Fluid Mechanics and Transport Processes](#)

[Engineering Sciences 154. Electronic Devices and Circuits](#)

[Engineering Sciences 173. Electronic and Photonic Semiconductor Devices](#)

[Engineering Sciences 181. Engineering Thermodynamics](#)

[Engineering Sciences 190. Introduction to Materials Science and Engineering](#)

[MCB 131. Computational Neuroscience](#)

Primarily for Graduates

The courses primarily for graduates are open to undergraduates provided they have passed the prerequisites with a grade of C or higher; in each case, special permission by the instructor is needed. In cases where students do not have the listed prerequisites, the written approval of the Head Tutor is required.

[Physics 210. General Theory of Relativity](#)

Catalog Number: 4840

Matias Zaldarriaga

Half course (fall term). W., F., 10–11:30. EXAM GROUP: 3, 4

An introduction to general relativity: Riemannian geometry; the Principle of Equivalence; Einstein's field equation; the Schwarzschild solution, the Newtonian limit; experimental tests, black holes, the causal structure of spacetime.

Prerequisite: Physics 151 and 153, and Mathematics 21 or equivalents.

[Physics 211. General Relativity, Cosmology, and Other Topics](#)

Catalog Number: 0469

Lisa Randall

Half course (spring term). W., F., 1–2:30. EXAM GROUP: 6, 7

Our focus is the classical and quantum theory of black holes. The general Kerr-Newman solution; causal structure; Penrose diagrams; the classical laws of black hole mechanics,



experimental evidence; Hawking radiation; the information paradox; de Sitter and black hole entropy.

Note: Auditors should obtain permission of instructor.

Prerequisite: General relativity at level of Physics 210 or equivalent. Physics 253a helpful, but not required.

[Physics 218. Modern Dynamical Systems]

Catalog Number: 1362

Paul C. Martin

Half course (spring term). Hours to be arranged.

Classical hamiltonian theory. Integrable systems, nonlinear dynamics, and chaos. Maps, KAM theory, and bifurcations. Mixing and ergodic theory. Dynamics of continuous systems, especially fluids. Stochastic processes.

Note: Expected to be given in 2007–08.

Prerequisite: Physics 151 and 143a, b or equivalent; Applied Math 201, 202 or equivalent.

Physics 232 (formerly Physics 232a). Advanced Classical Electromagnetism

Catalog Number: 4885

Jene A. Golovchenko

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Electromagnetic forces, potentials. Matter-Field equations. Eigen and Green function methods. Screening, gauge concepts. Energy theorems. Lagrangians, Hamiltonians. Radiation. Relation to quantum theory. Applications in atomic, solid-state, biological, high-energy, optical, device physics.

Prerequisite: Physics 143a, 153 and Applied Math 105a, 105b, or equivalent. Compatible with Physics 251a.

Physics 247r. Laboratory Course in Contemporary Physics

Catalog Number: 8665 Enrollment: Together with Physics 191r, limited to a total of 24 students.

Peter S. Pershan, Charles M. Marcus, and Amir Yacoby (fall term); Peter S. Pershan, Mara Prentiss, and William J. Nellis (spring term)

Half course (fall term; repeated spring term). Tu., Th., 1–5. EXAM GROUP: 15, 16, 17, 18

Three experimental projects are selected representing condensed matter, atomic, nuclear, and particle physics. Examples: experiments on NMR, microwave spectroscopy, optical pumping, scattering of laser light, neutron activation, Compton scattering of gamma rays, relativistic mass of the electron, recoil-free gamma ray resonance, lifetime of the muon, superfluid helium, superconducting transitions, and properties of semiconductors.

Note: A substantial amount of outside reading may be required.

[Physics 248. Phenomena of Elementary Particle Physics]

Catalog Number: 5431

Half course (spring term). Hours to be arranged.

An introduction to the phenomena of elementary particle physics. Topics include weak interactions, QCD deep inelastic scattering and nucleon structure functions, heavy quark production and decay and QED.



Note: Expected to be given in 2007–08.

Prerequisite: Some familiarity with relativistic quantum mechanics.

Physics 251a. Advanced Quantum Mechanics I

Catalog Number: 2191

Bertrand I. Halperin

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Basic course in nonrelativistic quantum mechanics. Review of wave functions and the Schrödinger Equation; Hilbert space; the WKB approximation; central forces and angular momentum; scattering; electron spin; measurement theory; the density matrix; time-independent perturbation theory.

Prerequisite: Physics 143a, b or equivalent, or permission of instructor.

Physics 251b. Advanced Quantum Mechanics II

Catalog Number: 2689

Lubos Motl

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

Time-dependent perturbations; quantized radiation field; absorption and emission of radiation; Heisenberg picture; identical particles and quantum field theory; Feynman Path integrals.

Prerequisite: Physics 251a.

Physics 253a. Quantum Field Theory I

Catalog Number: 8050

Lubos Motl

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Introduction to relativistic quantum mechanics and quantum field theory. Canonical quantization, scalar and spinor fields, scattering theory, Feynman diagrams, renormalization.

Prerequisite: Physics 251a,b or equivalents.

Physics 253b. Quantum Field Theory II

Catalog Number: 5250

Davide Gaiotto

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

A continuation of Physics 253a. Vector fields, gauge invariance, functional integration, quantum electrodynamics, spontaneous symmetry breakdown, and an introduction to the standard model.

Prerequisite: Physics 253a.

[Physics 253c. Quantum Field Theory III]

Catalog Number: 4000

Half course (fall term). Hours to be arranged.

This course explores advanced topics in quantum field theory. Possible topics include semi-classical methods, tunneling in flat and curved spaces, topological defects, lattice gauge theories, conformal field theories in diverse dimensions, large N and string description of gauge theory, the AdS/CFT correspondence, and supersymmetric gauge theories in four dimensions.



Note: Expected to be given in 2007–08.

Prerequisite: Physics 253b.

Physics 262. Statistical Physics

Catalog Number: 1157

Subir Sachdev

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Basic principles of statistical physics and thermodynamics, with applications including: the equilibrium properties of classical and quantum gases; phase diagrams, phase transitions and critical points, as illustrated by the gas-liquid transition and simple magnetic models; Bose-Einstein condensation.

Note: Students may wish to take Applied Physics 284 when this course is bracketed.

Prerequisite: Physics 143a, b and Physics 181 or Engineering Sciences 181.

[Physics 265. Photons and Atoms]

Catalog Number: 4203

Half course (spring term). Hours to be arranged.

Introduction to quantum field theory, quantization of the electromagnetic radiation field and many-body atomic systems, Bose-Einstein condensates, superfluids, quantized vortices, and degenerate Fermi gases. Laser cooling, dressed states, stimulated radiation forces. Casimir force, atom interferometers.

Note: Expected to be given in 2007–08.

Prerequisite: At least one term of quantum mechanics beyond the level of Physics 143a.

[Physics 268r. Classical and Quantum Phase Transitions]

Catalog Number: 7951

Half course (spring term). Hours to be arranged.

The theory of phase transitions at zero and non-zero temperatures. Landau theory. Fluctuations and field theory. Renormalization group. Quantum transitions between insulators, superfluids, metals, and magnets. Modern ideas on the description of correlated states by emergent gauge fields.

Note: Expected to be given in 2007–08.

Prerequisite: Physics 262 or equivalent.

[Physics 269r. Topics in Statistical Physics and Quantitative Biology]

Catalog Number: 6214

Half course (spring term). Hours to be arranged.

Introduction to strongly interacting soft condensed matter and biophysical systems. We hope to discuss the theory of flexible polymer chains, single molecule biophysics, nonlinear statistical dynamics, the theory of RNA folding, and the statistical mechanics of DNA sequence matching.

Note: Expected to be given in 2007–08.

Prerequisite: Physics 262, Applied Physics 284 or equivalent.



[Physics 270. Mesoscopic Physics and Quantum Information Processing]

Catalog Number: 0788

Half course (spring term). Hours to be arranged.

Introduces the subject of quantum effects in electronic systems, including conductance fluctuations, localization, electron interference, and many-body effects such as the Kondo effect. This year, we will also focus on solid state implementations of quantum information processing systems.

Note: Expected to be given in 2007–08. The reading list focuses primarily on the experimental literature, augmented by recent texts and reviews. The format of the course is a combination of lectures and journal-club-style presentations. A term paper on a topic within mesoscopic condensed matter physics or quantum information will allow for deeper exploration. Given in alternate years.

Prerequisite: Basic familiarity with quantum mechanics and solid state physics at the level of undergraduate courses.

Physics 283b. Beyond the Standard Model

Catalog Number: 7153

Nima Arkani-Hamed

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Covers current advances in particle physics beyond the Standard Model. Topics could include supersymmetry, the physics of extra dimensions, and connections between particle physics and cosmology.

Physics 284. Strongly Correlated Systems in Atomic and Condensed Matter Physics - (New Course)

Catalog Number: 4673

Eugene A. Demler and Mikhail D. Lukin

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Explores an emerging interface involving strongly correlated systems in atomic and condensed matter physics. Topics include bosonic and fermionic Hubbard models, quantum spin systems, low dimensional systems, non-equilibrium coherent dynamics and system-bath interactions. Special attention to the physics of ultracold atoms. Potential application to quantum information and metrology. Lectures and seminar-like class presentations.

Prerequisite: Graduate quantum mechanics or permission of instructors.

Physics 285a. Modern Atomic and Optical Physics I

Catalog Number: 8204

Gerald Gabrielse

Half course (fall term). M., W., 12–1:30. EXAM GROUP: 5, 6

Introduction to modern atomic physics. The fundamental concepts and modern experimental techniques will be introduced. Topics will include two-state systems, magnetic resonance, interaction of radiation with atoms, transition probabilities, spontaneous and stimulated emission, dressed atoms, trapping, laser cooling of “two-level” atoms, structure of simple atoms, fundamental symmetries, two-photon excitation, light scattering and selected experiments. The



first of a two-term subject sequence that provides the foundations for contemporary research.

Prerequisite: One course in quantum mechanics (143a and b, or equivalent).

[Physics 285b. Modern Atomic and Optical Physics II]

Catalog Number: 4195

Half course (fall term). Hours to be arranged.

Introduction to quantum optics and modern atomic physics. The basic concepts and theoretical tools will be introduced. Topics will include coherence phenomena, non-classical states of light and matter, atom cooling and trapping and atom optics. The second of a two-term subject sequence that provides the foundations for contemporary research.

Note: Expected to be given in 2007–08.

Prerequisite: A course in electromagnetic theory (Physics 232a or equivalent); one half-course in intermediate or advanced quantum mechanics.

Physics 287. Topics in the Physics of Quantum Information

Catalog Number: 7647

Mikhail D. Lukin

Half course (fall term). M., W., 12–1:30. EXAM GROUP: 5, 6

Introduction to physics of quantum information, with emphasis on ideas and experiments ranging from quantum optics to condensed matter physics. Background and theoretical tools introduced. The format is a combination of lectures and class presentations.

Prerequisite: Quantum mechanics at the level of introductory graduate courses.

Physics 287a. Introduction to String Theory

Catalog Number: 2012

Andrew Strominger

Half course (fall term). W., F., 2:30–4. EXAM GROUP: 7, 8

Introduction to the perturbative formulation of string theories and eleven-dimensional supergravity. Basic examples of compactifications and solitonic solutions and their role in strong-weak coupling dualities in string theory.

Prerequisite: Physics 253a, b or equivalent.

Physics 287br. Topics in String Theory

Catalog Number: 4555

Andrew Strominger

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

A selection of topics from current areas of research on string theory.

Prerequisite: Physics 287a.

Physics 289r. Eigenvalues of Random Matrices

Catalog Number: 6400

Arthur M. Jaffe

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

We study eigenvalues of random matrices from several points of view, including how supersymmetry helps in their understanding. These problems relate to different fields of physics,



including random systems and quantum gravity.

Prerequisite: Knowledge of quantum theory and of analysis. Knowledge of field theory will be helpful but is not essential.

Cross-listed Courses

[Applied Mathematics 201. Physical Mathematics I](#)

[[Applied Mathematics 202. Physical Mathematics II](#)]

[[Applied Mathematics 203 \(formerly Applied Mathematics 203r\). Nonlinear Dynamics and Chaos](#)]

[Applied Mathematics 205. Practical Scientific Computing](#)

[[Applied Physics 216. Modern Optics and Quantum Electronics](#)]

[[Applied Physics 284. Statistical Thermodynamics](#)]

[Applied Physics 295a. Introduction to Quantum Theory of Solids](#)

[Applied Physics 295b. Quantum Theory of Solids](#)

[Applied Physics 298r. Interdisciplinary Chemistry, Engineering and Physics: Seminar](#)

[Engineering Sciences 274. Quantum Technology I](#)

[Engineering Sciences 275. Nanophotonics](#)

[MCB 212. Topics in Biophysics](#)

Graduate Courses of Reading and Research

Courses of preliminary reading or experimental research are designated by “a.” Thesis research are designated by “b” and these courses are to be used only when an instructor has agreed to supervise a student’s research for the PhD. Reading and Research courses largely concerned with physics are offered under the sponsorship of several other departments, particularly Astronomy, Chemistry, and Earth and Planetary Sciences; and of the Division of Engineering and Applied Sciences (Applied Mathematics, Applied Physics, Computer Science, and Engineering Sciences).

***Physics 301a,301b. Experimental Atomic and Elementary Particle Physics**

Catalog Number: 1735,1736

Gerald Gabrielse 1768

***Physics 303a,303b. Sensory and Behavioral Neuroscience**

Catalog Number: 1727,1792

Aravinthan D. T. Samuel 4625

***Physics 305a,305b. Experimental High Energy Physics**

Catalog Number: 7929,0855

John Huth 3506

***Physics 307a,307b. Experimental Atomic Physics, Bose-Einstein Condensation, and Quantum Optics**

Catalog Number: 7534,3277

Lene V. Hau 2151



***Physics 309a,309b. Topics in Elementary Particle Theory**

Catalog Number: 4556,4561

Cumrun Vafa 2069 (on leave 2006-07)

***Physics 311a,311b. Experimental Atomic, Molecular, and Low-Energy Particle Physics**

Catalog Number: 6839,6838

John M. Doyle 3507

***Physics 313a,313b. Experimental Condensed Matter Physics - (New Course)**

Catalog Number: 7154,6363

Amir Yacoby 5596

***Physics 315a,315b. Topics in Theoretical Atomic, Molecular, and Optical Physics**

Catalog Number: 7387,8871

Eric J. Heller 1074

***Physics 317a,317b. Topics in Biophysics**

Catalog Number: 8345,0990

Xiaowei Zhuang 3991

***Physics 319a,319b. Topics in Experimental High Energy Physics**

Catalog Number: 4520,4521

Melissa Franklin 2500

***Physics 321a,321b. Experimental Soft Condensed Matter Physics**

Catalog Number: 9963,7098

David A. Weitz 2497

***Physics 323a,323b. Nanostructures and Mesoscopic Physics**

Catalog Number: 3629,9079

Charles M. Marcus 2890

***Physics 325a,325b. Topics in Theoretical Particle Physics and Quantum Gravity**

Catalog Number: 3686,1169

Lubos Motl 5053

***Physics 327a,327b. Topics in Condensed Matter Physics**

Catalog Number: 5969,6524

David R. Nelson 5066

***Physics 329a,329b. Solid State and Statistical Theory**

Catalog Number: 6198,6373

Bertrand I. Halperin 4755 (on leave spring term)



***Physics 333a,333b. Experimental Atomic Physics**

Catalog Number: 2902,2904

Mara Prentiss 2741

***Physics 335a,335b. Topics in the History and Philosophy of Physics**

Catalog Number: 6697,4276

Gerald Holton 1883

***Physics 337a,337b. Topics in Experimental High Energy Physics**

Catalog Number: 1809,6368

Masahiro Morii 3798

***Physics 339a,339b. Condensed Matter and Atomic Physics**

Catalog Number: 5096,6843

Subir Sachdev 5252 (on leave spring term)

***Physics 341a,341b. Topics in Experimental Atomic and Condensed Matter Physics**

Catalog Number: 1990,6602

Markus Greiner 5344

***Physics 343a,343b. Observational Cosmology and Experimental Gravitation**

Catalog Number: 4253,6881

Christopher Stubbs 4856

***Physics 345a,345b. Experimental Gravitation: Radio and Radar Astronomy**

Catalog Number: 5067,5072

Irwin I. Shapiro 7660

***Physics 347a,347b. Topics in Quantum Optics**

Catalog Number: 8010,1627

Mikhail D. Lukin 3990

***Physics 351a,351b. Experimental Soft Condensed Matter and Materials Physics**

Catalog Number: 6533,5661

Vinothan N. Manoharan 5251

***Physics 353a,353b. Topics in Statistical Physics**

Catalog Number: 3721,5287

Paul C. Martin 2103 (on leave fall term)

***Physics 355a,355b. Theory of Elementary Particles**

Catalog Number: 1213,7654

Roy J. Glauber 2113



***Physics 357a,357b. Experimental Condensed Matter Physics**

Catalog Number: 4430,5227

Robert M. Westervelt 6148 (on leave spring term)

***Physics 359a,359b. Topics in Condensed Matter Physics**

Catalog Number: 8238,7560

Eugene A. Demler 3847 (on leave spring term)

***Physics 361a,361b. Topics in Theoretical Condensed Matter Physics and Quantitative Biology**

Catalog Number: 3750,4793

Daniel S. Fisher 2600 (on leave fall term)

***Physics 363a,363b. Topics in Condensed Matter Theory**

Catalog Number: 2957,2958

Efthimios Kaxiras 3050

***Physics 365a,365b. Topics in Mathematical Physics**

Catalog Number: 5170,1567

Arthur M. Jaffe 2095

***Physics 367a,367b. Experimental Astrophysics**

Catalog Number: 1075,1274

Paul Horowitz 3537

***Physics 369a,369b. Experimental Condensed Matter: Synchrotron Radiation Studies**

Catalog Number: 1538,1539

Peter S. Pershan 1105

***Physics 371a,371b. Topics in Experimental High Energy Physics**

Catalog Number: 2519,6461

Gary J. Feldman 2599

***Physics 373a,373b. Historical and Philosophical Approaches to Modern and Contemporary Physics**

Catalog Number: 6140,6143

Peter L. Galison 3239

***Physics 377a,377b. Theoretical High Energy Physics**

Catalog Number: 1436,2007

Tai T. Wu 1051 (on leave spring term)

***Physics 379a,379b. Topics in Elementary Particle Research and String Theory**

Catalog Number: 7523,7524

Andrew Strominger 3700



***Physics 381a,381b. Experimental Condensed Matter Physics**

Catalog Number: 1281,2355

Jennifer E. Hoffman 4888

***Physics 383a,383b. Low Temperature Physics of Quantum Fluids and Solids; Ultra High Pressure Physics**

Catalog Number: 3851,4395

Isaac F. Silvera 7468

***Physics 385a,385b. Topics in Biophysics**

Catalog Number: 5901,5902

Howard C. Berg 1377

***Physics 387a,387b. Topics in Quantum Optics and Molecular Physics**

Catalog Number: 5772,5774

Eric Mazur 7952

***Physics 389a,389b. Topics in Field Theory: The Standard Model and Beyond**

Catalog Number: 4393,2571

Lisa Randall 4255

***Physics 391a,391b. Experimental Atomic Physics, Biophysics, and Soft Matter Physics**

Catalog Number: 1006,2753

Ronald L. Walsworth 2263

***Physics 393a,393b. Topics in Elementary Particle Theory**

Catalog Number: 6051,6218

Howard Georgi 4754

***Physics 395a,395b. Topics in Elementary Particle Theory**

Catalog Number: 9844,9408

Nima Arkani-Hamed 3886

***Physics 397a,397b. Experimental Condensed Matter Physics**

Catalog Number: 7355,7356

Jene A. Golovchenko 1986

Political Economy and Government

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION



Faculty of the Committee on Higher Degrees in Political Economy and Government

Torben Iversen, Harold Hitchens Burbank Professor of Political Economy (*Chair*)
 Christopher N. Avery, Roy E. Larsen Professor of Public Policy and Management (*Kennedy School*) (*on leave spring term*)
 Robert H. Bates, Eaton Professor of the Science of Government and Professor of African and African American Studies
 Daniel P. Carpenter, Professor of Government
 Suzanne J. Cooper, Lecturer on Public Policy (*Kennedy School*)
 Jeffrey Frieden, Stanfield Professor of International Peace (*on leave fall term*)
 Edward L. Glaeser, Fred and Eleanor Glimp Professor of Economics
 Elhanan Helpman, Galen L. Stone Professor of International Trade
 Michael J. Hiscox, Professor of Government (*on leave fall term*)
 William W. Hogan, Lucius N. Littauer Professor of Public Policy and Administration (*Kennedy School*)
 David I. Laibson, Professor of Economics (*on leave fall term*)
 Nolan H. Miller, Associate Professor of Public Policy (*Kennedy School*)
 Joseph P. Newhouse, John D. MacArthur Professor of Health Policy and Management (*Kennedy School, Medical School, Public Health*)
 J. Mark Ramseyer, Professor of Japanese Legal Studies (*Law School*)
 Dani Rodrik, Rafiq Hariri Professor of International Political Economy (*Kennedy School*)
 Alvin E. Roth, George Gund Professor of Economics (*FAS*) and George Gund Professor of Economics and Business Administration (*Business School*)
 Kenneth A. Shepsle, George D. Markham Professor of Government
 Beth A. Simmons, Clarence Dillon Professor of International Affairs
 Robert N. Stavins, Albert Pratt Professor of Business and Government (*Kennedy School*)
 Richard J. Zeckhauser, Frank Plumpton Ramsey Professor of Political Economy (*Kennedy School*)

The Doctoral Program in Political Economy and Government (PEG) is intended for scholars interested in academic or policy making careers requiring advanced knowledge of both Economics and Political Science. It is appropriate for students whose academic interests are not fully served by doctoral studies in Economics or Political Science alone. In Political Economy, candidates have intellectual interests in the impact of politics on economic processes and outcomes, and the reciprocal influence of economic conditions on political life. This interest is often applied to such diverse areas as international political economy, political development, political and economic institutions, institutional transition and reform, environmental resource policies, and social policy.

Candidates for the PEG degree are typically in residence for two years before undertaking the oral general examination. Satisfactory completion of the general examination is a prerequisite for writing a dissertation. Continuation of candidacy is contingent upon suitable progress and achievement during each academic year.

Applicants to this program must present their academic credentials, career plans, and a tentative outline of their proposed program research. All applicants must specify whether they are



applying to the Economics track or the Political Science track. For a full description of the track requirements, visit the PEG website at www.ksg.harvard.edu/ksgdoctoral/peg. Recent scores from the aptitude portion of the Graduate Record Examination (GRE) or Graduate Management Admission Test (GMAT) are required, as are transcripts for all prior study and three letters of recommendation. Application forms and leaflets describing field and other requirements are available at the Graduate School of Arts and Sciences. For further information on faculty, programs, and courses in the John F. Kennedy School of Government, see the school's catalog and courses of instruction.

For more information about the doctoral program, visit the program website at www.ksg.harvard.edu/ksgdoctoral/peg.

Psychology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Psychology

Stephen M. Kosslyn, John Lindsley Professor of Psychology (*Chair*)

Amy L. Baltzell, Visiting Assistant Professor of Psychology

Mahzarin R. Banaji, Richard Clarke Cabot Professor of Social Ethics (*Head Tutor*)

Randy L. Buckner, Professor of Psychology

Paula J. Caplan, Lecturer on Studies of Women, Gender, and Sexuality

Alfonso Caramazza, Daniel and Amy Starch Professor of Psychology (*on leave 2006-07*)

Susan E. Carey, Henry A. Morss, Jr. and Elisabeth W. Morss Professor of Psychology (*Director of Graduate Studies*)

Patrick Cavanagh, Professor of Psychology

David DeSteno, Visiting Associate Professor of Psychology (*Northeastern University*) (*fall term only*)

Susan Dietrich, Lecturer on Psychology, Teaching Assistant in Psychology

Erin Driver-Linn, Lecturer on Psychology (*spring term only*)

L. Dodge Fernald, Lecturer on Psychology

Daniel T. Gilbert, Harvard College Professor and Professor of Psychology (*on leave 2006-07*)

Richard Gramzow, Visiting Assistant Professor of Psychology (*Northeastern University*)

Joshua D. Greene, Assistant Professor of Psychology

J. Richard Hackman, Edgar Pierce Professor of Social and Organizational Psychology (*on leave 2006-07*)

Erin E. Hannon, Assistant Professor of Psychology (*on leave fall term*)

Marc D. Hauser, Harvard College Professor and Professor of Psychology

Andrea Heberlein, Lecturer on Psychology, Research Associate in Psychology



Jill M. Hooley, Professor of Psychology (*on leave fall term*)
 Yuhong Jiang, Assistant Professor of Psychology
 Ellen J. Langer, Professor of Psychology
 Peggy Li, Lecturer on Linguistics, Lecturer on Psychology (*fall term only*)
 Richard J. McNally, Professor of Psychology (*on leave spring term*)
 Wendy Mendes, Assistant Professor of Psychology (*on leave 2006-07*)
 Jason P. Mitchell, Assistant Professor of Psychology
 Ken Nakayama, Edgar Pierce Professor of Psychology
 Matthew K. Nock, Assistant Professor of Psychology
 Irene Pepperberg, Lecturer on Psychology (*spring term only*)
 Steven Pinker, Johnstone Family Professor of Psychology (*on leave fall term*)
 Diego Pizzagalli, John and Ruth Hazel Associate Professor of the Social Sciences
 Daniel L. Schacter, William R. Kenan, Jr. Professor of Psychology
 James Sidanius, Professor of Psychology and of African and African American Studies
 Jesse Snedeker, John L. Loeb Associate Professor of the Social Sciences (*on leave fall term*)
 Debra A. Sorensen, Lecturer on Psychology
 Elizabeth S. Spelke, Marshall L. Berkman Professor of Psychology (*on leave 2006-07*)
 Dante S. Spetter, Lecturer on Psychology
 Daniel M. Wegner, Professor of Psychology
 Anita W. Woolley, Lecturer on Psychology

Other Faculty Offering Instruction in the Department of Psychology

Max H. Bazerman, Jesse Isidor Straus Professor of Business Administration (*Business School*)
 Alan Dershowitz, Felix Frankfurter Professor of Law (*Law School*)
 Marla D. Eby, Assistant Professor of Psychology (*Medical School*)
 Kurt W. Fischer, Charles Bigelow Professor of Education and Human Development (*Education School*)
 Howard E. Gardner, John H. and Elisabeth A. Hobbs Professor of Cognition and Education (*Education School*)
 Bruce Hay, Professor of Law (*Law School*)
 Gene M. Heyman, Lecturer in Psychiatry (*Medical School*)
 Steven E. Hyman, Professor of Neurobiology (*Medical School*) and Provost of Harvard University
 Scott E. Lukas, Professor of Psychiatry (*Medical School*)
 William P. Milberg, Associate Professor of Psychiatry (*Medical School*)
 Todd Lowell Pittinsky, Assistant Professor of Public Policy (*Kennedy School*)
 Robert A. Stickgold, Associate Professor of Psychiatry (*Medical School*)
 Alan A. Stone, Touroff-Glueck Professor of Law and Psychiatry (*Law School, Medical School*)
 Mark Tramo, Assistant Professor of Neurology (*Medical School*)
 Roberto Mangabeira Unger, Roscoe Pound Professor of Law (*Law School*)
 Jeremy M. Wolfe, Professor of Ophthalmology (*Medical School*)

For a list of other courses which automatically count for undergraduate concentration credit, please see the note under the cross-listed courses for Undergraduates and Graduates.



Primarily for Undergraduates

Psychology 1. Introduction to Psychology

Catalog Number: 0854

*Jeremy M. Wolfe (Medical School) (fall term) and Jason P. Mitchell (spring term)
Half course (fall term; repeated spring term). Tu., Th., 2:30-4:00 and a one-hour section to be
arranged. EXAM GROUP: Fall: 15, 16; Spring: 16, 17*

Surveys the scientific study of human psychology. Introduces students to topics such as perception, consciousness, development, cognition, emotion, motivation, psychopathology, decision making, and social behavior.

Psychology 13. Cognitive Psychology

Catalog Number: 8706

Yuhong Jiang

*Half course (fall term). M., W., 1–2:30 and a one-hour section to be arranged. EXAM GROUP:
6, 7*

An introduction to the study of human cognition. Topics include perception, attention, memory, categorization, language, and consciousness. We will consider how human thought processes are organized, how they affect our everyday behavior, and the biological mechanisms that underlie them.

Prerequisite: Psychology 1 or permission of instructor.

Psychology 15. Social Psychology

Catalog Number: 4760

Daniel M. Wegner

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

An introduction to social psychological research and theory regarding everyday behavior. Topics include: social influence, attitude change, and obedience to authority; stereotyping and prejudice; social cognition; social interaction and group processes; interpersonal attraction; prosocial behavior; and everyday human judgment.

Prerequisite: Psychology 1 or permission of instructor.

Psychology 16. Developmental Psychology

Catalog Number: 1483

Erin E. Hannon

*Half course (spring term). Th., Tu., 10–11:30 and a weekly section to be arranged. EXAM
GROUP: 12, 13*

Introduces theory, empirical research, and applied issues in developmental psychology. Focuses on cognitive, linguistic, social and emotional aspects of development across the life course, with emphasis on infancy and childhood. Includes child observation and testing.

Prerequisite: Psychology 1 or equivalent.

Psychology 18. Abnormal Psychology

Catalog Number: 8560

Diego Pizzagalli

Half course (fall term). Tu., Th., 11:30–1 and a weekly section to be arranged. EXAM GROUP:



13, 14

Introduction to the study of psychopathology. Focuses on theoretical models of abnormal behavior as they relate to the definition, etiology, and treatment of mental disorders. Diagnostic classification, behavioral, and biological features of the major syndromes of psychopathology emphasized.

Prerequisite: An introductory course in psychology.

***Psychology 910r. Supervised Research**

Catalog Number: 1472

Mahzarin R. Banaji and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Independent empirical research (laboratory or field) conducted under the supervision of a departmental faculty member. Research report or equivalent paper required. Apply for admission through the Psychology Undergraduate Office. Students may take course only once for honors concentration credit, up to twice for non-honors concentration credit, and up to three times for College credit.

[*Psychology 950. Psychology Live!]

Catalog Number: 5195

Susan Dietrich and members of the Department

Half course (fall term). Hours to be arranged.

Psychology faculty will each lecture about their main area of research: its history, methods, and discoveries, focusing on contemporary research topics including perception, memory, cognitive development, animal cognition, social cognition, group behavior, consciousness, language, and psychopathology. Includes a panoramic view of methods to study the mind, brain and behavior involving neuroscientific techniques, evolutionary psychology, web-based experimentation, traditional laboratory experiments, and field studies. Emphasis is primarily human, from infants to older adults, as well as primates.

Note: Expected to be given in 2007–08.

Prerequisite: Psychology 1.

***Psychology 970. Contemporary Issues in Psychology: Intensive Cross-level Analyses**

Catalog Number: 8008

Mahzarin R. Banaji and members of the Department

Full course. Hours to be arranged.

Examines selected issues and phenomena addressed in contemporary psychological research. Special attention to examining topics from a variety of perspectives, to reading primary sources in the field, and to developing thinking, writing, research, and discussion skills. This tutorial, or Psychology 971, is required of concentrators upon entering the concentration, normally in the sophomore year. Sophomore Essay required. Letter-graded.

Prerequisite: Psychology 1 or concurrent enrollment.

***Psychology 971. Contemporary Issues in Psychology: Intensive Cross-level Analyses**

Catalog Number: 3498

Mahzarin R. Banaji and members of the Department

Half course (fall term; repeated spring term). Fall: Tu., 2–4. EXAM GROUP: Fall: 16, 17



Examines selected issues and phenomena in contemporary psychological research. Examines topics from a variety of perspectives; reads primary sources in the field; develops thinking, writing, research, and discussion skills. Students must contact the Psychology Undergraduate Office before Study Cards are due for section assignment. Sophomore essay required. Letter graded.

Note: Required in lieu of Psychology 970 for students entering the concentration after the first term of the sophomore year, and an additional concentration elective is required to fulfill the full-year tutorial requirement.

Prerequisite: Psychology 1 or concurrent enrollment.

***Psychology 975. Contemporary Issues in Psychology: Intensive Cross-level Analyses for Social and Cognitive Neuroscience - (New Course)**

Catalog Number: 9063

Mahzarin R. Banaji and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Examines selected issues of relevance to social and cognitive neuroscience addressed in contemporary psychological research. Special attention to examining topics from a variety of perspectives, to reading primary sources in the field, and to developing thinking, writing, research, and discussion skills. This tutorial, or Psychology 971, is required of concentrators upon entering the concentration, normally in the sophomore year. Sophomore Essay required. Letter-graded.

Note: Students must contact the Psychology Undergraduate Office before Study Cards are due for section assignment.

Prerequisite: Psychology 1 or concurrent enrollment.

***Psychology 980ee. Psychology of Prejudice and Stereotyping**

Catalog Number: 0498

Mahzarin R. Banaji and members of the Department

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Empirical study of prejudice and stereotyping. Issues addressed include: cognitive, affective, and motivational origins of stereotyping and prejudice; consequences of prejudice and stereotyping on holders and targets; and scientifically-based means of prejudice reduction.

Prerequisite: PSY 1 and PSY 15 required; PSY 1901 or other research methods class preferred.

***Psychology 980ll. Developmental Psychopathology**

Catalog Number: 2775

Mahzarin R. Banaji and members of the Department

Half course (fall term). M., 5:30–7:30 pm. EXAM GROUP: 9

This course presents an overview of mental disorders in childhood and adolescence. Topics include internalizing problems (anxiety, depression, suicide, and somatic disorders), externalizing problems (conduct disorder and ADHD), and autism. Theoretical perspectives, diagnostic criteria, etiology, treatment, and risk and protective factors are examined.

Note: Preference will be given to those who have completed Psychology 18.

***Psychology 980pp. Memory Across the Lifespan - (New Course)**

Catalog Number: 4578



Mahzarin R. Banaji and members of the Department
Half course (fall term). Th., 3:30–5:30. EXAM GROUP: 17, 18

Memory processes change as we develop and age. This course will cover the psychology and cognitive neuroscience of human memory processing in children, young adults, and older adults. Focuses on studies using both behavioral and neuroimaging techniques to examine the effects of development and aging on multiple memory phenomena including successful memory encoding and retrieval, memory distortion, and emotional memories. Implications for law, education, and health care will be discussed.

Prerequisite: PSY 970, 971, or permission of instructor.

***Psychology 980qq. Psychology of Race: Theories, Politics, and Controversy - (New Course)**

Catalog Number: 2869

Mahzarin R. Banaji and members of the Department
Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Examines race from a social psychological perspective. Covers research on implicit and explicit racial attitudes, stereotype threat and stereotype lift, the relationship between racial attitudes and other measures of political and social beliefs, the development of racial attitudes in childhood, and what neuroscience and physiology can tell us about race. Explores current and historical controversies in the study of race as a biological and psychological concept.

***Psychology 980v. The Insanity Defense**

Catalog Number: 6942

Mahzarin R. Banaji and members of the Department
Half course (fall term). Th., 5:30–7:30 p.m. EXAM GROUP: 18

Explores, through case materials and empirical research, the insanity defense in the legal system and its impact on psychology, law, and society. Topics include history of the defense; the relation among psychopathology, insanity, and diminished capacity; effects of different standards for determining insanity; arguments for its retention, abolition, and revision; media and other responses; controversies surrounding pre- and post-conviction commitment; and the roles of psychologists and lawyers in defining, implementing, and questioning the defense.

***Psychology 985. Junior Tutorial: Honors Thesis Preparation**

Catalog Number: 2343

Mahzarin R. Banaji and members of the Department
Half course (fall term; repeated spring term). Fall: Hours to be arranged. Spring: W., at 4.
Supervised reading and research normally resulting in an honors thesis prospectus. Supplemental group meetings to discuss topic and adviser selection, methodology, prospectus writing, and the prospectus meeting. Admission to course via application (available in Psychology Undergraduate Office). Graded SAT/UNS. Full prospectus or term paper required.

Note: Normally limited to junior psychology concentrators.

Prerequisite: Advanced methods course or concurrent enrollment.

Psychology 987. Junior Tutorials: Mind/Brain/Behavior

Interdisciplinary seminars that address current research topics in mind/brain/behavior from a variety of perspectives. Enrollment preference given to juniors in Mind/Brain/Behavior tracks.



***Psychology 987b. Music and the Brain**

Catalog Number: 7107

Mark Tramo (Medical School)

Half course (fall term). W., 7–9 pm. EXAM GROUP: 9

This seminar course takes a multidisciplinary approach to understanding neural systems that govern music perception and cognition. Students master relevant topics in psychophysics, cognitive psychology, neurophysiology, neuroanatomy, and neurology. Individual seminars are thematic (e.g., melody and harmony perception; talent and creativity). The course also provides students with the opportunity to develop oral presentation skills and to learn how to read science literature critically.

[*Psychology 987c. Multidisciplinary Perspectives on Drug Policy]

Catalog Number: 1082

Members of the Department

Half course (spring term). Hours to be arranged.

Apply perspectives of law, psychiatry, psychology, epidemiology, and sociology to problems of substance abuse, including alcohol and drugs. Consider fundamental public policy choices in the criminal justice and health care systems, examine the working relationships between these systems, and explore strategies to address substance abuse. Technical readings from neurobiology, psychiatry, psychology, public health, public policy, law, and history provide an empirical framework. Readings from the personal literature of addiction and recovery provide deeper understanding.

Note: Expected to be given in 2007–08.

***Psychology 987d. Image, Space, and Self - (New Course)**

Catalog Number: 1821

Ken Nakayama

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Join renowned neuroscientists from Harvard and elsewhere who will lead highly interactive seminars addressing core problems underlying the emergence of conscious visual experience. Topics include the requisite neuronal representations of the content of visual images, their localization within extrapersonal space and the sense of ownership of such images by a self. Subsidiary topics include selective attention, the binding problem, binocular rivalry, change blindness, recursive neuronal networks and distinction between phenomenal and access consciousness.

***Psychology 987f. The Biology of Conscious States: Waking, Sleeping, and Dreaming**

Catalog Number: 3372

Robert A. Stickgold (Medical School) and members of the Department

Half course (spring term). Tu., 3–5. EXAM GROUP: 17, 18

Focuses on waking, sleeping, and dreaming as examples of conscious states in both humans and animals. Original papers and books by Allan Hobson (*The Dreaming Brain*) and Antonio Damasio (*The Feeling of What Happens*) form the background for discussions of waking, sleeping, and dreaming from the perspectives of neurology, physiology, psychology, and



cognitive neurosciences. Discusses various approaches to understanding the functions of sleep and wake (consciousness) and reviews several theories on the topic.

***Psychology 987g. Theories of Violence**

Catalog Number: 7611 Enrollment: Limited to 20.

Alan A. Stone (Law School, Medical School)

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Consider how law and science “construct” violence. Review clinical examples of violence (videotapes of a serial killer, a sexually violent predator, and a case of maternal infanticide) and the responses of law enforcement and the criminal justice system. Then examine the spectrum of scientific theories that seek to explain human violence and their relevance to law.

***Psychology 987h. Addiction, Behavior, and Choice**

Catalog Number: 5541

Gene M. Heyman (Medical School)

Half course (fall term). W., 4–6. EXAM GROUP: 9

What is addiction? Applies epidemiological, ethnographic, biological, and behavioral research to questions concerning how drug users behave. Topics include the history of opiate use, drug psychopharmacology, behavioral economic analyses of addiction, genetic influences on drug use, obsessive behavior, brain plasticity, and ways of distinguishing between voluntary and involuntary behaviors.

***Psychology 987i. The Science of Happiness**

Catalog Number: 4100

Mahzarin Banaji and members of the Department

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Focuses on the science of happiness, integrating findings from positive psychology, psychiatry, behavioral genetics, neuroscience, and behavioral economics. Begins with a brief history of ideas on happiness from Aristotle to Kahneman. Considers the genetics of happiness including the notion of a biologically determined hedonic set point, the brain’s pleasure circuitry, and the mind’s power to frame events positively, a tool used in cognitive therapies. Questions whether pleasure and happiness are our purpose.

Senior Tutorial

***Psychology 990. Senior Tutorial: Honors Thesis in Psychology**

Catalog Number: 3553

Mahzarin R. Banaji and members of the Department

Full course. Spring: W., at 4.

Individual supervised thesis research supplemented with occasional group meetings, Thursdays at 4, to discuss major aspects of the thesis process (e.g., organizing, conducting, and presenting research). Graded Sat/Unsat. Prospectus meeting required for fall term credit, as well as a paper for students who divide course at mid-year. Submission of thesis required for full year credit.

Note: Required of and limited to senior honors psychology concentrators.

Prerequisite: Advanced methods course.



***Psychology 992. Senior Tutorial: Honors Thesis (Mind/Brain/Behavior)**

Catalog Number: 4990

Mahzarin R. Banaji and members of the Department

Full course. Spring: W., at 4.

Supervised research leading to the submission of the senior honors thesis. Individual work with thesis adviser is supplemented by participation in Mind/Brain/Behavior Interdisciplinary Research Workshop as well as by optional but highly recommended occasional group meetings in the spring term, Thursdays at 4. Graded SAT/UNSAT. Prospectus meeting required for fall term credit; paper also required for students who divide course at mid-year. Submission of thesis required for full-year credit.

Note: Required of and limited to seniors in the MBB tracks in psychology, who will take this tutorial in lieu of Psychology 990.

Prerequisite: An advanced methods course.

***Psychology 995. Senior Seminar: General Psychology**

Catalog Number: 5201 Enrollment: Limited to 12.

L. Dodge Fernald

Half course (fall term; repeated spring term). M., 1–3. EXAM GROUP: 6, 7

A capstone course aimed at an integrated review of the field through seminar discussions, oral reports, field experience, practitioner interviews, and independent research projects. Focus is upon the perspectives and prescriptions in contemporary psychology.

Note: Designed for senior concentrators not engaged in an honors thesis.

Cross-listed Courses

***Freshman Seminar 26p. The Scientific Study of Consciousness - (New Course)**

***Freshman Seminar 49n. Measurements of the Mind: The Creation and Critique of the Psychological Test - (New Course)**

Life Sciences 1a. An Integrated Introduction to the Life Sciences: Chemistry, Molecular Biology, and Cell Biology

Life Sciences 1b. An Integrated Introduction to the Life Sciences: Genetics, Genomics, and Evolution

MCB 80 (formerly Biological Sciences 80). Neurobiology of Behavior

OEB 53 (formerly Biological Sciences 53). Evolutionary Biology

Science B-29. Evolution of Human Nature

Science B-44. Vision and Brain

[Science B-60. Origins of Knowledge]

[Science B-62. The Human Mind]

[Social Analysis 43. Psychological Trauma]

For Undergraduates and Graduates

***Psychology 1002. Morality and Taboo - (New Course)**

Catalog Number: 7770 Enrollment: Enrollment may be restricted

Steven Pinker and Alan Dershowitz (Law School)

Half course (spring term). M., 4:45–6:45 pm. EXAM GROUP: 9



Psychological and legal aspects of morality, the moral sense, taboo, dangerous ideas, and related topics. Does morality come from social conventions, innate intuitions, divine decree, platonic reality, or some combination? Can it ever be immoral to evaluate controversial ideas, such as ones about torture, innate group differences, the environment, infanticide, or the legalization of distasteful but victimless practices? When is it rational, or moral, to choose to be ignorant?
Note: Offered jointly with the Law School as LAW-47212A.

Psychology 1003. Psychology of Sport - (New Course)

Catalog Number: 0254

Amy L. Baltzell

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Introduction to the field of sport psychology. An overview of theory and practice related to contemporary issues in the field, including personality and performance, motivation, attention control, leadership styles, stress/arousal/anxiety, athletic counseling, performance enhancement techniques and positive psychology and sport performance.

Prerequisite: PSY 1, Introductory Psychology, or permission of instructor.

[Psychology 1104. Psychology of Economic Decision Making]

Catalog Number: 1700

Half course (fall term). Hours to be arranged.

Examines the role of psychological mechanisms in decision-making contexts such as rational choice, intertemporal choice, cooperation, fairness, punishment, and signaling. Focuses on the effects of learning, memory, attention, self-control, framing, and theory of mind on choice behavior in both humans and nonhuman animals.

Note: Expected to be given in 2007–08.

***Psychology 1151. Cognitive Evolution: Theory and Practice - (New Course)**

Catalog Number: 8617 Enrollment: Limited to 20.

Marc D. Hauser

Half course (fall term). Tu., 5:30–7:30 pm and 10–12 hours of lab work per week. EXAM GROUP: 18

Focuses on theoretical and practical matters concerned with the evolution of the human mind. We take a multi-disciplinary approach that includes evolutionary theory, neurobiology, cognitive science, animal behavior, developmental biology, linguistics, economics, anthropology, and philosophy. We address such issues as the nature of non-linguistic representation; evolution of cooperation, language, and morality; how mathematical quantification, navigation, and communication evolved; and whether the mind has an optimal design. Includes experiments with human adults, children, monkeys, and birds.

***Psychology 1152r. Cognitive Evolution Lab**

Catalog Number: 1805 Enrollment: Limited to 20.

Marc D. Hauser

Half course (spring term). Tu., 5:30–7:30 p.m. plus 10-12 hours of lab work per week. EXAM GROUP: 18

An introduction to issues, laboratory techniques, and field methodology in animal cognition.



Students develop and pilot research projects. Empirical research is accompanied by a critical reading and discussion of papers on such topics as language evolution, concept acquisition, acoustic perception, and domain-specific knowledge.

Prerequisite: PSY 1151 or permission of instructor.

Psychology 1201. Your Brain on Drugs: Psychopharmacology

Catalog Number: 6717

Scott E. Lukas (Medical School)

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

An introduction to how drugs affect mood, sensation, consciousness, and other psychological and behavioral functions in both healthy and disease states. Introduces concepts in neuroscience and pharmacology to understand how drugs are used to treat psychiatric disorders and why individuals use recreational drugs. Covers all CNS drugs, including antidepressants, antipsychotics, alcohol, and drugs of abuse. Debates controversial topics such as research with psychiatric populations, diagnosing ADHD, teenage suicide, marijuana legalization, and needle exchange programs.

Prerequisite: Psychology 1.

Psychology 1205. Brain, Drugs, and Society: From Neurobiology to Ethics

Catalog Number: 4056

Steven E. Hyman

Half course (fall term). Tu., Th., 1-2:30. Lectures planned for Tuesdays and some Thursdays, section meetings and occasional guest lectures or debates on Thursdays. EXAM GROUP: 15, 16

Progress in psychopharmacology has produced drugs that not only treat illnesses, but also can influence behavior in people who are not ill. Ethical and policy issues have been raised about whether such uses might undermine personal responsibility, have unintended personal consequences, or exacerbate societal disparities. This course will give equal weight to how certain drugs (e.g., stimulants, antidepressants, memory altering drugs, addictive drugs) act in the brain and to ethical issues raised by their use.

Prerequisite: MCB 80 or equivalent.

Psychology 1301. Cognitive Neuroscience - (New Course)

Catalog Number: 5607

Andrea Heberlein

Half course (fall term). Tu., Th., 10–11:30 and a one-hour section to be arranged. EXAM GROUP: 12, 13

How do our brains give rise to our minds? Specifically, how are mental processes related to neural activity? This course will explore these questions, as well as the methods by which cognitive neuroscience seeks to answer them. We will focus on processes within perception, attention, memory, language, emotion, social cognition, and development, and methods including neuroimaging, neuropsychology, and intra- and extra-cranial electrophysiology.

Prerequisite: An introductory psychology course; and Psychology 13 or MCB 80.

[Psychology 1302. Psychology of Language]

Catalog Number: 0295



Half course (spring term). Hours to be arranged.

Explores psychological processes underlying language. Topics include: origins of language, nature and structure of languages, language acquisition in children, and the neurological and physiological processes involved in language expression and comprehension. Video case studies of patients with various language impairments will be examined.

Note: Expected to be given in 2007–08.

[Psychology 1304. Cognitive Neuropsychology]

Catalog Number: 2419

Alfonso Caramazza

Half course (fall term). Hours to be arranged.

Examines the patterns of linguistic, perceptual, and cognitive impairments resulting from brain damage. Focuses on the implications of various deficits on theories of normal language and cognitive processing and the functional organization of the brain.

Note: Expected to be given in 2007–08.

Prerequisite: Psychology 1.

***Psychology 1306. Language and Thought - (New Course)**

Catalog Number: 6358 Enrollment: Not open to students who have taken PSY 980ii

Peggy Li

Half course (spring term). Th., 2:30–4:30. EXAM GROUP: 16, 17, 18

What is the relationship between language and thought? This question has fascinated many, and continues to be a point of debate across multiple disciplines (anthropology, philosophy, linguistics, and psychology). Recently there is a burgeoning of scientific research trying to explicate and demonstrate how language influences thought. This course surveys the research and asks how recent and future experiments have and could shed light upon the matter.

Prerequisite: PSY 1 and at least one of the following: PSY 13, PSY 15, and PSY 16.

***Psychology 1352. Foundations of Cognitive Neuroscience Research**

Catalog Number: 9399 Enrollment: Limited to students involved in research

Randy L. Buckner

Half course (fall term). Hours to be arranged.

Intended for undergraduates or those with no background in cognitive neuroscience. Students will attend and participate in a seminar that includes discussion of active scientific projects, recent important journal articles, and didactic lecture on technical aspects of methods central to cognitive neuroscience research. Readings will be assigned that survey basic principles of system neuroscience, cognitive science, and methods including functional MRI, MEG, and single unit physiology.

***Psychology 1353. Avian Cognition - (New Course)**

Catalog Number: 0195

Irene Pepperberg

Half course (spring term). Tu., 2:30–4:30. EXAM GROUP: 16, 17, 18

Can parrots—creatures with brains the size of a shelled walnut—understand complex concepts and mean what they say? For thirty years, grey parrots have been subjects in experiments that answer the question in the affirmative. In many, but not all, instances their capacities match those



of nonhuman primates and young children. Students will read and critique the material (book, journal articles) in a seminar format.

Prerequisite: Animal Cognition and Psychology 1 recommended but not required.

[*Psychology 1356r. Laboratory in Language Research]

Catalog Number: 5158

Alfonso Caramazza

Half course (spring term). Hours to be arranged.

An introduction to issues and methods in language research. Students learn to design and carry out experiments on language and cognition. They also learn how to analyze, interpret, and report experimental results.

Note: Expected to be given in 2007–08.

Prerequisite: Psychology 13 or Linguistics 88.

Psychology 1430. Human Memory and Amnesia - (New Course)

Catalog Number: 8922

Daniel L. Schacter

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Surveys current data and theory concerning human memory and amnesia from cognitive, neuroimaging, and neuropsychological perspectives. Topics considered include short-term memory, encoding and retrieval processes, forgetting, memory distortion, implicit memory, drug effects on memory, amnesic syndromes, and aging memory.

Prerequisite: Psychology 1, Psychology 13, or permission of instructor.

***Psychology 1451. Laboratory in Visual Perception - (New Course)**

Catalog Number: 1420

Patrick Cavanagh

Half course (spring term). F., 2:30–4 and 3 hours/week laboratory time. EXAM GROUP: 7, 8

An introduction to issues and experiments in visual perception. Students design and carry out experiments in the perception of shape, shadow, color, and motion, and the effects of attention on perception. Students discuss original articles in the area and prepare reports on their own experiments. Basic computer techniques for experimental control will be presented.

Prerequisite: Science B-44 or permission of instructor.

[*Psychology 1471. Psychology of Music: Concentration Seminar]

Catalog Number: 2407

Erin E. Hannon

Half course (fall term). Hours to be arranged.

Draws from cognitive, developmental, social and neuroscience perspectives to examine the psychology of music. Topics include perception and production, origins and functions, emotional communication, musical predispositions and development, creativity and talent, and the effects of musical training.

Note: Expected to be given in 2007–08.

Prerequisite: An introductory psychology course or permission of instructor.



[*Psychology 1472. Perceiving People: Concentration Seminar]

Catalog Number: 2972

Ken Nakayama

Half course (spring term). Hours to be arranged.

The goal of this laboratory course is to study the visual basis of person perception. In supervised individual or small group projects, students will have access to state-of-the-art techniques to manipulate facial images and animations of human movement. These methods allow new opportunities to study perceived identity, gender, attractiveness, and other meaningful social characteristics.

Note: Expected to be given in 2007–08.

***Psychology 1500. Psychology of Teams and Leadership - (New Course)**

Catalog Number: 5948 Enrollment: Limited to 100.

Anita W. Woolley

Half course (spring term). Tu., Th., 11:30–1 and a weekly section to be arranged. EXAM

GROUP: 13, 14

Combines recent theoretical developments and empirical findings with in-class experience to provide the knowledge and skills required to get the most out of teams as members and managers. Students apply theory to the management of team processes through group exercises and discussion of case studies throughout the term. Topics include structuring teams, evaluating team performance, group communication, collective decision-making, team creativity, team problem-solving, conflict management, and team leadership. Group project required.

Prerequisite: Psychology 1 or permission of instructor.

[Psychology 1501. Social Psychology of Organizations]

Catalog Number: 0823 Enrollment: Limited to 45.

J. Richard Hackman

Half course (fall term). Hours to be arranged.

Surveys interpersonal and group processes in organizational settings. Includes how groups and organizations affect individual members and vice versa; interpersonal and group processes; work team behavior and performance; power dynamics in organizations; intergroup relations; the leadership of groups and organizations. Group project required.

Note: Expected to be given in 2007–08.

Prerequisite: Psychology 1.

[Psychology 1504. Positive Psychology]

Catalog Number: 8646

Tal D. Ben-Shahar

Half course (spring term). Hours to be arranged.

The course focuses on the psychological aspects of a fulfilling and flourishing life. Topics include happiness, self-esteem, empathy, friendship, love, achievement, creativity, music, spirituality, and humor.

Note: Expected to be given in 2007–08.

Psychology 1505. Social Cognition - (New Course)

Catalog Number: 3334



Ellen J. Langer

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

The cognitive underpinnings of numerous social psychological phenomena, including traditional topics in social psychology such as attribution making, impression formation, stereotyping, prejudice, self knowledge, affect, judgment and decision making, nonverbal communication in theory and application will be explored. Special attention will be given to these phenomena through the lens of mindfulness and mindlessness.

Prerequisite: Psychology 1.

***Psychology 1506. Social Neuroscience - (New Course)**

Catalog Number: 4847

Joshua D. Greene

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

What can studying the brain teach us about human social behavior? Topics include emotion, social perception and attribution, personality, neurological disorders affecting social behavior, modularity in social cognition, economic decision-making, moral judgment, free will and legal responsibility, the neural basis of the self, comparative social cognition, the evolution of human sociality, and neuroethics.

Prerequisite: An introductory psychology course or permission of instructor.

[Psychology 1508. The Psychology of Leadership]

Catalog Number: 7908

Tal D. Ben-Shahar

Half course (spring term). Hours to be arranged.

How can leaders—in the business sector, politics, or education—create an environment that facilitates growth? Topics include transformational leadership, personal identity, change, ethics, peak experience and peak performance, motivation, and systems thinking.

Note: Expected to be given in 2007–08.

[Psychology 1509. Law and Mind]

Catalog Number: 5294

Bruce Hay (Law School)

Half course (spring term). Hours to be arranged.

Examines intersections between law, cognition, and social psychology. Topics include eyewitness testimony; judgment under uncertainty; conformity, obedience and altruism; attribution of responsibility; and prejudice.

Note: Expected to be given in 2007–08. Offered jointly with the Law School as 41340-31.

Prerequisite: No previous study of law necessary.

[*Psychology 1550. Leadership Research and Theory]

Catalog Number: 0581

Todd Lowell Pittinsky (Kennedy School)

Half course (fall term). Hours to be arranged.

This seminar covers the major psychological theories and research on leadership with particular focus on contributions from social and organizational psychology. Our readings cover a wide range of leadership topics, with a special focus on the integration of findings from psychology



with findings from other disciplines.

Note: Expected to be given in 2007–08.

Prerequisite: Psychology 1.

***Psychology 1551. Mind Perception**

Catalog Number: 2481 Enrollment: Limited to 20.

Daniel M. Wegner

Half course (spring term). W., 1–3:30. EXAM GROUP: 6, 7, 8

Examines how people perceive the thoughts, desires, emotions, intentions, memories, and conscious experiences of others, and how such mind perception processes are involved in social relations and self-understanding.

Prerequisite: Either Psychology 1 or Psychology 15.

[*Psychology 1553. Positive Intergroup Relations]

Catalog Number: 0585

Todd Lowell Pittinsky (Kennedy School)

Half course (fall term). Hours to be arranged.

In this seminar we explore the major theoretical and empirical contributions that psychology has made to understanding, and fostering, harmonious relations across social groups. We focus on cross-ethnic and cross-national relations, but also consider research and theory on positive intergroup relations across religious, political, linguistic, economic, gender, and sexual orientation groups.

Note: Expected to be given in 2007–08.

Prerequisite: Psychology 1.

***Psychology 1557. Self and Identity: Seminar**

Catalog Number: 0491

Erin Driver-Linn

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Examines what William James called "the most puzzling puzzle with which psychology has to deal." Emphasizes social psychological research, draws on philosophy and other areas of psychology to address questions of agency, reflexivity (being the object of one's own attention), stability/fluidity of the self-concept, the influence of relationships and cultures on development of the self, and academic identity. Students work on a single, original paper throughout the semester, peer-reviewing and receiving feedback on multiple drafts.

Prerequisite: PSY 1 and at least one of the following PSY 13, PSY 15, PSY 16, PSY 18, or permission of the instructor.

[*Psychology 1565. Conscious Will]

Catalog Number: 4113 Enrollment: Limited to 20.

Daniel M. Wegner

Half course (fall term). Hours to be arranged.

What causes the feeling that we cause our actions? Examines questions of free will vs. determinism, mind vs. body by probing anomalies of will, from phantom limbs and Ouija boards to hypnosis and spirit possession.



Note: Expected to be given in 2007–08. Preference given to undergraduate concentrators.

Prerequisite: Either Psychology 1 or Psychology 15.

[*Psychology 1572. Stress and Health: Concentration Seminar]

Catalog Number: 0059 Enrollment: Limited to 15.

Wendy Mendes

Half course (spring term). Hours to be arranged.

This seminar will explore issues at the intersection of psychology and medicine, specifically how psychological states, such as stress, motivation, and emotion affect functioning of biological systems including mental and physical health and the etiology and progression of disease states.

Note: Expected to be given in 2007–08. Limited to undergraduates.

Prerequisite: Psychology 1.

***Psychology 1602. Developmental Disorders as a Window on Cognitive Development - (New Course)**

Catalog Number: 0475

Jesse Snedeker

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Explores developmental disorders, such as autism and ADHD, at the cognitive level, with occasional forays into neuroscience and education. Can developmental disorders help us understand the architecture of the human mind? Can they constrain our theories of language acquisition and cognitive development? Does autism reflect disruption of one cognitive system or many? How can research at the genetic or neural level constrain cognitive characterizations of developmental disorders?

Prerequisite: Psychology 13, or Psychology 16, or equivalent.

Psychology 1603. Adolescent Development

Catalog Number: 6916

Debra A. Sorensen

Half course (fall term). Tu., Th., 10–11:30 and a one-hour section to be arranged. EXAM GROUP: 12, 13

Adolescence is a fascinating time of life because of the vast physical and psychological changes that occur. Examines the biological changes that accompany puberty, cognitive development, identity formation, parent and peer relationships, gender, sexuality, cultural context, and ethnicity. Problems of adolescence, such as substance abuse, eating disorders, and risky behavior will be considered as well.

Prerequisite: Psychology 1, Psychology 16, or permission of instructor.

Psychology 1607. Cognitive Development, Education, and the Brain

Catalog Number: 9014

Kurt W. Fischer (Education School) and Howard E. Gardner (Education School)

Full course (indivisible). M., W., 12–2. EXAM GROUP: 5, 6

An integrative survey of knowledge and research in cognitive development and neuroscience from infancy through early adulthood. Topics include normal cognitive and emotional development and brain development and their relation to learning and education.

Note: Offered jointly with the Graduate School of Education as HT 100.



***Psychology 1652r. Laboratory in Early Cognitive Development**

Catalog Number: 9913

Elizabeth S. Spelke

Half course (fall term; repeated spring term). Hours to be arranged.

An introduction to issues and methods in the study of cognition in human infants and young children. Students develop their own research projects, evaluate the ongoing and proposed projects of other students, and read and discuss papers on the development of perception and reasoning about objects, agents, space, and number.

Note: First meeting: Thursday, September 21, 4pm.

***Psychology 1655. Conceptual Development: Undergraduate Laboratory Course**

Catalog Number: 1865

Susan E. Carey

Half course (fall term; repeated spring term). Hours to be arranged.

Students participate in research on conceptual development and language acquisition. Each student has responsibility for a project. Weekly meeting to discuss assigned readings relevant to ongoing projects. Weekly meeting to discuss student projects and readings relevant to them. Ten hours a week commitment (includes lab meeting).

Note: Open to undergraduates seeking research experience, especially in preparation for undergraduate theses.

***Psychology 1659. Social and Emotional Development: Seminar**

Catalog Number: 6880 Enrollment: Limited to 15.

Debra A. Sorensen

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

This seminar will explore child development research, with an emphasis on social and emotional development from infancy through adolescence. Topics will include temperament, attachment, the development of social skills, risk and resilience, family and peer relationships, and other aspects of social and emotional development.

Prerequisite: Psychology 1 and Psychology 16.

[Psychology 1671 (formerly Psychology 1606). Language Development: Concentration Seminar]

Catalog Number: 4632

Jesse Snedeker

Half course (spring term). Tu., Th., 11:30–1, and a weekly section to be arranged. EXAM GROUP: 13, 14

Explores the central theoretical issues in language acquisition: To what degree is acquisition constrained by the structure of the human mind? Are these constraints specific to language or do they stem from more general features of human cognition? Topics include: infant speech perception, how children learn words, relations between language development and cognitive development, the acquisition of syntax (grammar) and pragmatics, and language development in special populations.

Note: Expected to be given in 2007–08.

Prerequisite: Psychology 13 or Psychology 16.



[Psychology 1701. Personality Psychology]

Catalog Number: 4538

Half course (spring term). Hours to be arranged.

Introduction to personality psychology. Reviews the major developments and debates in the area of personality. Covers a variety of approaches to understanding individual differences, including temperament, traits (factor analytic models), cognitive models, behavioral genetics, neurobiological processes, and person situation interaction.

Note: Expected to be given in 2007–08.

Prerequisite: An introductory course in psychology, preferably Psychology 1.

Psychology 1702. Emotion - (New Course)

Catalog Number: 7521

Andrea Heberlein

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

What is emotion? How can it be studied scientifically? This course will explore models of emotion, theories of emotional function, and research on its antecedents, responses, recognition, regulation, and neural underpinnings.

Prerequisite: An introductory psychology course or permission of instructor.

[Psychology 1703. Human Sexuality]

Catalog Number: 7683

Half course (spring term). Hours to be arranged.

Examines the development and expression of sexual behavior as a complex psychological, socio-cultural, biological, and historical phenomenon. Students explore topics that include: research methods in human sexuality; biological bases of sexual behavior; sexual arousal and response; gender identity and gender roles; attraction and love; sexual orientation; sexuality across the life cycle; sexual dysfunctions and sex therapy; safer sex and STD prevention; atypical sexual variations; and sexual coercion and abuse and their treatment.

Note: Expected to be given in 2007–08.

Psychology 1705. Psychology of Sex and Gender

Catalog Number: 2996

Paula J. Caplan

Half course (fall term). M., W., 2:30–4 and a one-hour section to be arranged. EXAM GROUP: 7, 8

Critical examination of how researchers and theorists have studied sex differences in the brain (cognition, neuroscience), emotions, and interpersonal interactions (including human sexuality).

Psychology 1706. Human Motivation - (New Course)

Catalog Number: 6824

Susan Dietrich

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Explores the conscious and unconscious reasons we act and feel as we do. Content includes eating behavior, sexual desire, attention/distraction, substance abuse, aggression, creativity,



humor, self-esteem, and disorders which affect motivation.

Prerequisite: Psychology 1 or Psychology 15 (or concurrent enrollment), or permission of instructor.

[*Psychology 1756. Personality Psychology and Organizations: Seminar]

Catalog Number: 7835

Half course (spring term). Hours to be arranged.

How can the study of the person inform our understanding of the workplace? Course examines personality theories as they relate to leaderships, motivation, performance, and well-being in the context of an organization.

Note: Expected to be given in 2007–08.

Psychology 1801. Anxiety Disorders

Catalog Number: 4906

Richard J. McNally

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Concerns current theory and research on the etiology and treatment of anxiety disorders (e.g., panic disorder, obsessive-compulsive disorder, social phobia, post-traumatic stress disorder). Cognitive, behavioral, and biological approaches are emphasized.

Prerequisite: Psychology 1 and Psychology 18.

[Psychology 1808. Neurobiological Aspects of Psychopathology]

Catalog Number: 9917

Diego Pizzagalli

Half course (spring term). Hours to be arranged.

A neurobiological perspective to the study of psychopathology. Integrates anatomical, chemical, and electrical data to characterize affective and cognitive dysfunctions. Includes sections on neuroanatomy, animal models, and current evidence on the neuroanatomical basis of psychopathology.

Note: Expected to be given in 2007–08.

Prerequisite: Psychology 18 or MCB 80 recommended.

[*Psychology 1851. Clinical Psychology: Science and Practice]

Catalog Number: 6392 Enrollment: Limited to 15.

Jill M. Hooley

Half course (spring term). Hours to be arranged.

Extends the material covered in Psychology 18 in a more clinical direction. Provides students with an opportunity to approach issues in clinical psychology from a scientist-practitioner perspective. Focuses on how research-based approaches to the study and treatment of psychopathology can translate into high quality ethical care for patients with major psychiatric problems.

Note: Expected to be given in 2007–08.

Prerequisite: Psychology 18 and at least one other course in psychopathology strictly required.



[*Psychology 1853. Self-Destructive Behaviors]

Catalog Number: 0615

Matthew K. Nock

Half course (spring term). Hours to be arranged.

Why do some individuals intentionally engage in behaviors that cause themselves direct bodily harm, such as suicide and self-mutilation? We explore past and current models for understanding self-harm behaviors. We consider the classification, etiology, assessment, and treatment of self-harm behaviors from psychological, developmental, contextual, and biological perspectives.

Note: Expected to be given in 2007–08.

Prerequisite: Psychology 1 and Psychology 18.

[Psychology 1854. Schizophrenia: Seminar]

Catalog Number: 2771 Enrollment: Limited to 20.

Jill M. Hooley

Half course (fall term). Hours to be arranged.

Examines schizophrenia and schizophrenia-spectrum disorders from biological, psychological, and psychosocial perspectives. Focuses on early (e.g., Kraepelin) and modern (e.g., DSM-IV) perspectives, clinical case descriptions of the disorder, and recent theoretical and empirical developments in understanding etiology, phenomenology, and treatment.

Note: Expected to be given in 2007–08.

Prerequisite: Psychology 18.

***Psychology 1855. Mood Disorders**

Catalog Number: 6867

Diego Pizzagalli

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

We examine current theory and research on the etiology, phenomenology, and treatment of mood disorders, particularly depressive disorders. Cognitive, behavioral, and biological approaches are emphasized.

Prerequisite: Psychology 18.

[*Psychology 1857 (formerly *Psychology 1803). Eating Disorders: Seminar]

Catalog Number: 4992 Enrollment: Limited to 15.

Half course (spring term). Hours to be arranged.

Examines the diagnosis, epidemiology, etiology, assessment, and treatment of eating disorders, including anorexia nervosa, bulimia nervosa, binge eating disorder, and subclinical eating disorders. Theories of appetite control and weight regulation also covered.

Note: Expected to be given in 2007–08.

Prerequisite: An introductory course in psychology.

[*Psychology 1861. Developmental Psychopathology: Seminar]

Catalog Number: 1325 Enrollment: Limited to 20.

Half course (fall term). Hours to be arranged.

An overview of mental disorders in childhood and adolescence. Topics include internalizing



problems (anxiety, depression, suicide, and somatic disorders), externalizing problems (conduct disorder and ADHD), and autism. Theoretical perspectives, diagnostic criteria, etiology, treatment, and risk and protective factors are examined.

Note: Expected to be given in 2007–08.

Prerequisite: Psychology 1 or Psychology 18.

Psychology 1900. Introduction to Statistics for the Behavioral Sciences

Catalog Number: 4016

David DeSteno (Northeastern University)

Half course (fall term). Tu., Th., 11:30–1 and a one-hour section to be arranged. EXAM GROUP: 13, 14

Provides a conceptual and practical introduction to statistics used in psychology and other behavioral sciences. Covers basic topics in statistics including: measures of central tendency and variability; probability and distributions, correlations and regression, hypothesis testing, t-tests, analysis of variance, and chi-square tests. Includes a lab section with instruction in statistical analysis using a computer program.

Note: Open to freshmen with permission of instructor.

Psychology 1901. Methods of Behavioral Research

Catalog Number: 3811

Dante S. Spetter (fall term) and Richard Gramzow (Northeastern University) (spring term)

Half course (fall term; repeated spring term). Fall: Tu., Th., 11:30–1; Spring: Tu., Th., 10–11:30 and a one hour section to be arranged. EXAM GROUP: Fall: 13, 14; Spring: 12, 13

Theoretical and practical introduction to planning, conducting, reporting, and evaluating research in the social and behavioral sciences. Topics include experimental design, reliability and validity, experimental artifacts, and analysis of published research.

Prerequisite: Psychology 1900, Statistics 100, 101, 102, 104, or the equivalent.

***Psychology 1950. Intermediate Statistical Analysis in Psychology - (New Course)**

Catalog Number: 4889

James Sidanius

Half course (fall term). Lecture: M., W., 1–2:30; Lab: Th., 1–2:30. EXAM GROUP: 6, 7

This course is designed to provide the student with a strong working knowledge of contemporary repeated analysis of variance, post-hoc comparisons and planned contrasts, simple correlation and regression analysis, part and partial correlation analysis, regression diagnostics, introduction to multiple correlations and regression analysis, introduction to matrix algebra, multiple regression and categorical independent variables.

Prerequisite: Psychology 1900.

[*Psychology 1951. Intermediate Quantitative Methods]

Catalog Number: 8674

Half course (fall term). Hours to be arranged.

Considers statistical methods used to analyze both experimental and naturalistic studies in psychology, which often involve small sample sizes or "messy" data. Methods include analysis of variance, contrasts, regression, bootstrap, and exploratory data analyses. Other topics include



effect size, control of Type I and II errors, and meta-analysis.

Note: Expected to be given in 2007–08.

Prerequisite: Psychology 1900, Statistics 100, 101, 102, 104, or the equivalent. Faculty with at least one computer statistics package, and normally first- or second-year student standing in the Psychology graduate program.

[*Psychology 1952. Multivariate Analysis in Psychology](#)

Catalog Number: 6191

James Sidanius

Half course (spring term). Lecture: M., W., 1–2:30; Lab: Th., 1–2:30. EXAM GROUP: 6, 7

This course introduces the empirical measurement of abstract constructs and multivariate analysis. Topics include: reliability and validity, multiple regression, exploratory and confirmatory factor analyses, discriminant analysis, canonical correlation analysis and structural equation modeling.

Prerequisite: Psychology 1900.

Cross-listed Courses

[*History of Science 171. Narrative and Neurology]

[History of Science 175. Madness and Medicine: Themes in the History of Psychiatry]

[History of Science 176. Evolution and Human Nature: Conference Course]

[History of Science 177. Stories Under the Skin: The Mind-Body Connection in Modern Medicine](#)

[Linguistics 130. Psycholinguistics](#)

Primarily for Graduates

[*Psychology 2002. Psychology and Taboo: Advanced Topics - \(New Course\)](#)

Catalog Number: 3782

Steven Pinker and Alan Dershowitz (Law School)

Half course (spring term). Tu., 10–11:30. EXAM GROUP: 12, 13

Advanced seminar on the science of taboo for graduate students enrolled in PSY 1002.

Cognitive, neural, social, and linguistic research on the desire not to think about specific topics, and its relevance to psychology.

Note: Open to advanced undergraduates with permission of the instructor.

[*Psychology 2010. Contemporary Topics in Psychological Research](#)

Catalog Number: 6515

Stephen M. Kosslyn

Half course (fall term). M., Th., 4–6. EXAM GROUP: 9, 18

Advanced survey of research topics in cognition/brain/behavior, development, experimental psychopathology, clinical and social psychology.

Note: Required of, and limited to, first-year doctoral students in the department of Psychology.

[*Psychology 2020ab. Cognition, Brain, and Behavior: Proseminar](#)

Catalog Number: 7860



Patrick Cavanagh and members of the Department
Full course (spring term). Tu., Th., 2–4. EXAM GROUP: 16, 17
Advanced survey of research topics in cognition, brain, and behavior.
Note: Limited to first-year doctoral students in Psychology.

[*Psychology 2040. Contemporary Topics in Psychopathology]

Catalog Number: 4628 Enrollment: Doctoral students only.

Jill M. Hooley

Half course (spring term). Hours to be arranged.

Advanced survey of current topics in experimental psychopathology.

Note: Expected to be given in 2007–08. Required of first- or second-year graduate students in psychopathology and clinical.

[*Psychology 2050. History of Psychology: Seminar]

Catalog Number: 3378

Richard J. McNally

Half course (spring term). Hours to be arranged.

Covers major issues, theories, schools of thought, and controversies integral to the development of psychology from the late 19th century to the middle of the 20th century. Readings include classic articles exemplifying these themes.

Note: Expected to be given in 2007–08. Undergraduates admitted with permission of instructor.

[*Psychology 2100. Research Methodology]

Catalog Number: 8552

Half course (spring term). Hours to be arranged.

How to conduct empirical research, primarily with human participants. Topics include formulating problems, design strategies, developing and validating concepts, designing and assessing measures and manipulations; issues in data collection, analysis, and interpretation; and publishing findings.

Note: Expected to be given in 2007–08. Limited to doctoral students.

[Psychology 2110. Emotional Development: Biology, Relationships, Culture - \(New Course\)](#)

Catalog Number: 1403

Kurt W. Fischer (Education School)

Half course (fall term). W., 4–6. EXAM GROUP: 9

Explores the connections between biology, emotions, relationships, and culture. Reviews classic work such as Darwin and psychodynamics as well as modern emotion research about attribution, development, culture, and neuroscience. Format combines discussion, debate, and lecture.

Note: Offered jointly with the Graduate School of Education as H137.

[*Psychology 2170. Developmental Proseminar]

Catalog Number: 6883

Susan E. Carey and members of the Department

Half course (fall term). Hours to be arranged.

Proseminar in conceptual development and language acquisition.



Note: Expected to be given in 2007–08. Open to all graduate students in the department; required of all first-year students in the Psychology Department Developmental Program. Open to others by permission of the instructor.

***Psychology 2190. Topics in Language Acquisition**

Catalog Number: 2529

Jesse Snedeker

Half course (fall term). Tu., 3–5. EXAM GROUP: 17, 18

Seminar examining alternate theories of language acquisition and assessing their empirical validity. Focuses on speech perception, word learning, semantic and early syntactic development, interactions between language acquisition and cognitive development, and children's online language comprehension.

***Psychology 2200. Statistics and Data Analysis Through Computer Simulation**

Catalog Number: 6960

Ken Nakayama

Half course (spring term). F., 1–2:30. EXAM GROUP: 6, 7

An inquiry-based course to evaluate data analysis techniques. Uses Monte Carlo simulation to assess strengths and limitations of formal arguments and bootstrap resampling to understand how conclusions can be derived from data.

Prerequisite: Advanced course in statistics or permission of instructor.

***Psychology 2250. Development of Intuitive Theories: Natural Kinds, Causes, and Things that make you go hmmm ... - (New Course)**

Catalog Number: 3341

Susan E. Carey

Half course (spring term). Hours to be arranged.

Examines the developmental origin of intuitive theories, including their structural, dynamic, and functional features. Explores how intuitive theories support the development of curiosity and children's exploration.

Note: Open only to graduate students in the Psychology Department.; all others by permission of the instructor only.

[*Psychology 2270. Research in Language Acquisition]

Catalog Number: 0770

Jesse Snedeker

Half course (spring term). Hours to be arranged.

Research seminar open to graduate students and advanced undergraduates conducting research in language acquisition.

Note: Expected to be given in 2007–08.

[*Psychology 2280. Language and Human Nature]

Catalog Number: 6741

Steven Pinker

Half course (spring term). Hours to be arranged.

Language as a window onto human conceptions of space, time, causation, number, agency, sex,



and status. The focus is on words and grammatical constructions, but also diverse phenomena like swearing, baby naming, and legal language.

Note: Expected to be given in 2007–08.

***Psychology 2290r. Laboratory in Auditory Cognition and Development - (New Course)**

Catalog Number: 9808

Erin E. Hannon

Half course (fall term; repeated spring term). Hours to be arranged.

Focuses on carrying out and interpreting research on auditory cognition and development. Students learn to critically evaluate research articles, design and conduct experiments, analyze data, and give oral presentations.

Note: Limited to undergraduate and graduate students conducting research in the instructor's laboratory.

***Psychology 2300r. Perception, Cognition, and Representation: Seminar**

Catalog Number: 8369

Patrick Cavanagh

Half course (spring term). Hours to be arranged.

Discussion of issues in perception, attention, and cognition.

Note: Open to graduate and undergraduate students working in the instructor's lab.

[Psychology 2305. Cognitive Genetics: Research Seminar]

Catalog Number: 8251

Half course (spring term). Hours to be arranged.

Discusses current research in human cognitive genetics, focusing on methodological issues. Students participate in developing ideas, materials, and protocols for research projects.

Note: Expected to be given in 2007–08.

Prerequisite: Concurrent enrollment in Psychology 1305, or permission of the instructor.

***Psychology 2320. Applying fMRI to Cognitive Research**

Catalog Number: 5380

Yuhong Jiang

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Covers basic fMRI methods in cognitive neuroscience. It takes the user and the reader's perspectives. Topics include data collection and analysis, experimental design, and the connection between BOLD and neuronal activity.

Note: Open to undergraduates with permission of instructor.

***Psychology 2330r. Cognitive Psychology and Neuroscience: Research Seminar**

Catalog Number: 0503

Yuhong Jiang

Half course (fall term). F., 2–4. EXAM GROUP: 7, 8

Covers basic research skills (experimental design, programming, statistics) in studies on attention and memory. In addition to guided readings, students conduct a research project and write an APA-style article on it.



Note: Limited to graduate students and undergraduates conducting research in the instructor's laboratory. Open to students with permission of the instructor.

[*Psychology 2335r. Language: Research Seminar]

Catalog Number: 5121

Alfonso Caramazza

Half course (fall term; repeated spring term). Hours to be arranged.

Focuses on how to carry out research on language and cognition. Students discuss ongoing research projects on such issues as the organization of semantic, grammatical and lexical knowledge, language production, bilingualism and reading.

Note: Expected to be given in 2007–08. Open to graduate and undergraduate students involved in research in language.

[*Psychology 2345. Topics in Language Research: Linguistic, Cognitive, and Neural Aspects]

Catalog Number: 6215

Alfonso Caramazza

Half course (fall term). Hours to be arranged.

Focuses on recent issues in language processing. Research findings from various areas and different approaches are considered, including neuroimaging studies, cross-linguistic investigations, aphasia research, and bilingualism.

Note: Expected to be given in 2007–08. Open to undergraduates with permission of instructor.

***Psychology 2350. Current Topics in Cognitive Neuroscience Research - (New Course)**

Catalog Number: 3198

Randy L. Buckner

Half course (spring term). Hours to be arranged.

Discussion of current research and didactic lecture on technical aspects of methods in cognitive neuroscience research. Readings cover specific research programs based on both animal models and human studies of memory and executive function.

Note: Limited to students involved in research. Previous background in cognitive neuroscience required.

***Psychology 2351. Construction and Function of Memory: Seminar**

Catalog Number: 3512

Daniel L. Schacter and Randy L. Buckner

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

What is memory for? We examine issues of memory structure in light of questions concerning memory function, including errors and distortions and the ways memory informs decisions about future reactions.

***Psychology 2352. Laboratory for Social Cognitive Neuroscience - (New Course)**

Catalog Number: 6187

Jason P. Mitchell

Half course (fall term; repeated spring term). Spring: Tu., 5:30–7:30 p.m.

Provides instruction and experience in conducting research on social cognition via the methods



of cognitive neuroscience. Special focus on issues of mental state inference, stereotyping, and the self.

Note: Open to graduate and undergraduate students working in the instructor's laboratory.

***Psychology 2355r. Laboratory in Cognitive Neuroscience: Seminar**

Catalog Number: 1119

Stephen M. Kosslyn

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: Fall: 7
Focuses on how to research visual cognition. Students learn to conduct experiments, including fundamentals of experimental design and data analysis. Concludes with formal presentation of research.

Note: Meets laboratory methods requirement for honors undergraduates. Open to undergraduates with permission of instructor. First meeting Friday, Feb. 2, at 4 p.m. in William James Hall Room 832. For more information email jennifer@wjh.harvard.edu.

Prerequisite: Psychology 13 or MCB 80, plus statistics.

***Psychology 2358. Memory: Research Seminar**

Catalog Number: 0141

Daniel L. Schacter

Half course (fall term; repeated spring term). Hours to be arranged.

Topic to be announced.

Note: Limited to students involved in research.

***Psychology 2370. The Development of Social Cognition - (New Course)**

Catalog Number: 9542

Mahzarin R. Banaji and Susan E. Carey

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

How do children create representations of their social world? Important topics in social cognitive development (e.g., social categorization, in-group preference) are explored from the vantage point of current theories of conceptual representations and their development.

Note: Open to graduate students and undergraduate students by permission of instructors.

Prerequisite: Psychology 16, or Psychology 15, or equivalent courses.

[*Psychology 2400. Cognitive Psychology and Emotional Disorders]

Catalog Number: 6138

Richard J. McNally

Half course (fall term). Hours to be arranged.

Research and theory on the application of cognitive psychology methods applied to the understanding of anxiety and mood disorders.

Note: Expected to be given in 2007–08. Limited to graduate students.

***Psychology 2420. Cognitive-Behavioral Treatment of Psychological Disorders**

Catalog Number: 8446

Jill M. Hooley

Half course (spring term). Tu., 10–12. EXAM GROUP: 12, 13

Covers current cognitive-behavioral approaches to the treatment of common psychological



disorders in adults. Emphasis is on the practical aspects of treatment, and on treatment outcome research. Includes theoretical underpinnings of cognitive-behavioral therapy.

Note: Limited to Harvard graduate students in clinical psychology.

[*Psychology 2430. Cultural and Individual Diversity]

Catalog Number: 9756

Matthew K. Nock

Half course (spring term). Hours to be arranged.

Examines cultural, racial, ethnic, and other individual differences in human behavior which affect the practice of psychology. Reviews current science examining the relations between these factors and human behavior, psychopathology, and provision of psychological services.

Note: Expected to be given in 2007–08. Enrollment limited to doctoral students.

Psychology 2440r. Cognition and Anxiety: Research Seminar - (New Course)

Catalog Number: 4935

Richard J. McNally

Half course (spring term). Hours to be arranged.

Students gain laboratory experience conducting research on cognitive functioning in subjects with anxiety disorders or histories of trauma. Students may test subjects, score data protocols, learn about data analysis, and read articles in the area.

Prerequisite: Psychology 18 recommended but not required.

***Psychology 2445. Psychological Treatment Research**

Catalog Number: 1835

Matthew K. Nock

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Review theories of behavior change, methods of studying such change (single-case research designs, randomized clinical trials, etc.), and current evidence-based approaches to assessing and treating psychopathology. Examines historical, ethical, and cultural issues.

Note: Open to undergraduates with permission of instructor.

Psychology 2446r. Clinical Research Laboratory - (New Course)

Catalog Number: 5628

Jill M. Hooley

Half course (spring term). Hours to be arranged.

Provides instruction and experience conducting clinical research in laboratory and clinical settings, with a special focus on severe psychopathology. Topics will include: Self-Injurious behaviors, depression, and adult attachment patterns in close relationships.

Note: Open to graduate and undergraduate students working in the instructor's laboratory.

***Psychology 2450. Affective and Social Neuroscience**

Catalog Number: 9796

Diego Pizzagalli

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Reviews two emerging fields in neuroscience, affective and social neuroscience. Through integration of human and animal data, the course focuses on mapping affect, motivation, and



social cognition to brain function.

Note: Open to advanced undergraduates with permission of instructor.

[*Psychology 2460. Diagnostic Interviewing]

Catalog Number: 4157 Enrollment: Limited to 12.

Jill M. Hooley

Half course (fall term). Hours to be arranged.

Students develop clinical interviewing and diagnostic skills using the Structured Clinical Interview for DSM-III-R and other instruments. Examines issues in diagnosis and assessment; provides exposure to psychopathology syndromes via tapes and clinical interviews.

Note: Expected to be given in 2007–08. Graduate students only.

Prerequisite: Psychology 2040.

Psychology 2461r. Laboratory for Clinical and Developmental Research

Catalog Number: 8042

Matthew K. Nock

Half course (spring term). Hours to be arranged.

Provides instruction and experience in conducting clinical research in laboratory and clinical settings, with a special focus on developmental psychopathology.

Note: Open to graduate and undergraduate students working in the instructor's laboratory.

[*Psychology 2462. Diagnostic Interviewing: Practicum]

Catalog Number: 3840

Jill M. Hooley

Half course (fall term). Hours to be arranged.

Supervised experience in psychiatric diagnosis. Students assess Axis I and Axis II disorders in clinical samples. Students are required to travel to practicum sites to conduct interviews between class meetings.

Note: Expected to be given in 2007–08. Graduate students only.

Prerequisite: Psychology 2040 and Psychology 2460 strictly required.

[*Psychology 2475. Social Psychophysiology: Seminar]

Catalog Number: 0385

Wendy Mendes

Half course (spring term). Hours to be arranged.

Focuses on psychophysiology as a methodology in experimental work. Covers bases for psychological inference, biological systems (including autonomic, endocrine, and immune systems), and illustrative examples of physiological methodology in social, clinical, and developmental studies.

Note: Expected to be given in 2007–08. Open to graduate students only.

***Psychology 2480. Human Neuropsychology/Neuroanatomy: Seminar**

Catalog Number: 4335

William P. Milberg (Medical School)

Half course (fall term). Tu., 4:30–6:30. EXAM GROUP: 18

Introduction to the anatomical structure of the human brain. Emphasis on neuropsychological



correlates and cortical representation of higher cognitive functions. Gross brain dissection laboratory and discussions of descriptive and theoretical aspects of clinical neuropsychological phenomena.

Note: Preference given to graduate students who have completed Psychology 2010; if space is available, qualified undergraduates who have taken MCB 80 may enroll with permission of instructor.

[Psychology 2482. Neuropsychological Assessment]

Catalog Number: 3669 Enrollment: Limited to 12.

William P. Milberg (Medical School)

Half course (fall term). Hours to be arranged.

Introduction to the theory and technique of assessing higher mental functions in brain-damaged patients. Topics include a comparison of currently available test batteries, clinical localization of cortical functions, and behavioral neurology.

Note: Expected to be given in 2007–08. Preference given to graduate students who have completed Psychology 2010 and Psychology 2480; if space is available, qualified undergraduates who have taken MCB 80 may enroll with permission of instructor.

***Psychology 2500. Advanced Social Psychology**

Catalog Number: 5094

Daniel M. Wegner

Half course (fall term). Hours to be arranged.

Advanced survey of classic and current research and theory in social psychology, including self, social cognition, attitudes, social influence, altruism and aggression, prejudice and discrimination, close relationships, and group dynamics.

Note: Open to advanced Psychology Department doctoral students in clinical psychology.

***Psychology 2530r. Mental Control: Research Seminar**

Catalog Number: 2364

Daniel M. Wegner

Half course (fall term; repeated spring term). F., at 12, and research hours to be arranged.

EXAM GROUP: 5

Note: Limited to graduate students and undergraduates involved in research in the instructor's laboratory.

***Psychology 2552. Moral Cognition - (New Course)**

Catalog Number: 2142

Joshua D. Greene

Half course (spring term). Th., 5–7 p.m. EXAM GROUP: 18

Examines morality from cognitive, developmental, neuroscientific, evolutionary, and philosophical perspectives. Emphasizes new research on moral judgment using cognitive and neuroscientific methods.

Note: Undergraduates admitted with permission of instructor.

***Psychology 2553r. Decision Making and Negotiation: Research Seminar**

Catalog Number: 4679



Max H. Bazerman (Business School)

Half course (fall term; repeated spring term). Hours to be arranged.

This seminar provides lab experience in behavioral approaches to decision making and negotiation.

Note: Open to students working on research in the instructor's laboratory. Offered jointly with the Business School as 4425.

***Psychology 2570r. Intergroup Relations: Research Seminar - (New Course)**

Catalog Number: 4440 Enrollment: Limited to graduates and undergraduates involved in research in the instructor's laboratory.

James Sidanius

Half course (fall term; repeated spring term). Th., 5–6:30. EXAM GROUP: 18

The seminar provides students with research experience concerning different forms of intergroup conflict, including the social psychology of interracial and interethnic conflict, and the social psychology of war and aggression.

***Psychology 2580r. Affective Forecasting: Research Seminar**

Catalog Number: 4262

Daniel T. Gilbert

Half course (fall term; repeated spring term). Hours to be arranged.

Topic to be announced.

Note: Open to students working on research in the instructor's laboratory.

Psychology 2610r. Social Psychophysiology: Research Seminar

Catalog Number: 0190

Wendy Mendes

Half course (fall term; repeated spring term). Hours to be arranged.

This seminar provides lab experience in physiological acquisition obtained from studies examining stress, motivation, and emotion.

Note: Limited to graduate students and undergraduates involved in research in the instructor's laboratory.

[*Psychology 2630. Social Behavior in Organizations: Seminar]

Catalog Number: 0991

J. Richard Hackman

Half course (fall term). Hours to be arranged.

Topics include how groups and organizations affect individual members and vice versa; interpersonal and group processes; work team effectiveness; power, political, and intergroup dynamics; group and organizational leadership.

Note: Expected to be given in 2007–08. Limited to doctoral students. Students are expected to attend the lectures of Psychology 1501.

***Psychology 2640r. The Understand Seminar**

Catalog Number: 7865

Mahzarin R. Banaji

Half course (fall term; repeated spring term). Fall: Hours to be arranged; Spring: M., 4–6.



EXAM GROUP: Fall: 9; Spring: 18

Topic to be announced.

Note: Open to graduate students involved in research in the instructor's laboratory, and to select juniors and seniors.

***Psychology 2650. Behavioral Approaches to Decision Making and Negotiation**

Catalog Number: 7147

Max H. Bazerman (Business School)

Half course (spring term). M., 3–6. EXAM GROUP: 8, 9

Research overview of behavioral decision making and decision analytic perspectives to negotiation. Explores bounded rationality, decision biases, human decision making. Develops a behavioral decision perspective to negotiation, and examines how the field is currently evolving.

Note: Offered jointly with the Business School as 4420. Open to juniors and seniors in psychology and economics who are writing, or plan to write, a senior thesis.

***Psychology 2660r. Research Seminar in Mindfulness Theory**

Catalog Number: 4909

Ellen J. Langer

Half course (fall term; repeated spring term). Tu., at 2:30. EXAM GROUP: 16, 17

Mindfulness/mindfulness theory is compared/contrasted to relevant theories in social and cognitive psychology.

***Psychology 2670a (formerly *Psychology 1571a). Decision Making I**

Catalog Number: 1193

Ellen J. Langer

Half course (fall term). W., 1:30–3:30. EXAM GROUP: 6, 7, 8

Decision theory and research, including the illusions of predictability, probability and control; rational/irrational models of decision-making; interpersonal decisions; risk-taking; learned helplessness; and mindfulness examined in applied contexts, with special focus on health.

Note: Open to qualified undergraduates.

***Psychology 2670b (formerly *Psychology 1571b). Decision Making II**

Catalog Number: 3434

Ellen J. Langer

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

A deeper exploration into the theoretical and experimental issues, pertaining to decision making and mindfulness, raised in Psychology 2670a.

Note: Open to qualified undergraduates.

Prerequisite: Psychology 2670a or PSY 1571a

[*Psychology 2700r (formerly *Psychology 2700). Debates in the Practice of Good Psychological Science]

Catalog Number: 5986

Susan E. Carey and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Addresses meta-level questions about practicing the science of psychology in graduate school.



Graduate students and faculty guests discuss differences between areas of psychology and problems of professional development toward establishing productive, collegial cross talk.
Note: Expected to be given in 2007–08. Open to doctoral students only.

***Psychology 2851r. Affective Neuroscience: Research Seminar - (New Course)**

Catalog Number: 4937

Diego Pizzagalli

Half course (fall term; repeated spring term). Hours to be arranged.

Provides lab experience in conducting research in the field of affective neuroscience. Students learn to design and conduct experiments and perform data analysis of behavioral, EEG, and fMRI data.

Note: Open to graduate and undergraduate students working in the instructor's laboratory. This seminar meets the laboratory methods requirement for honors undergraduates.

Cross-listed Courses

African and African American Studies 241. Topics in African American Social Science
[History of Science 273. Freud and the American Academy]
Music 235r. Cognitive Theories of Music - (New Course)

Graduate Courses of Reading and Research

***Psychology 3010. Special Reading and Research**

Catalog Number: 7858

Mahzarin R. Banaji 4258, Randy L. Buckner 5370, Alfonso Caramazza 1871 (on leave 2006-07), Susan E. Carey 4113, Patrick Cavanagh 2447, Daniel T. Gilbert 2359 (on leave 2006-07), Joshua D. Greene 5594, J. Richard Hackman 1504 (on leave 2006-07), Erin E. Hannon 5330 (on leave fall term), Marc D. Hauser 3347, Jill M. Hooley 1191 (on leave fall term), Yuhong Jiang 4646, Stephen M. Kosslyn 7836, Ellen J. Langer 4967, Richard J. McNally 2978 (on leave spring term), Wendy Mendes 5033 (on leave 2006-07), Jason P. Mitchell 5481, Ken Nakayama 2558, Matthew K. Nock 4645, Steven Pinker 4733 (on leave fall term), Diego Pizzagalli 4425, Daniel L. Schacter 2805, James Sidanius 5371, Jesse Snedeker 4118 (on leave fall term), Elizabeth S. Spelke 3850 (on leave 2006-07), and Daniel M. Wegner 3758

***Psychology 3020. Direction of Doctoral Dissertations**

Catalog Number: 4492

Members of the Department and others listed under Psychology 3010

***Psychology 3050. Clinical Practicum**

Catalog Number: 6299

Jill M. Hooley 1191 (on leave fall term), Richard J. McNally 2978 (on leave spring term), and Matthew K. Nock 4645

Half course (fall term; repeated spring term). Hours to be arranged.

Students work in clinical settings locally and, under supervision, are directly involved in the treatment and clinical care of patients.

Note: Limited to Harvard doctoral students in clinical psychology.



***Psychology 3070. Clinical Assessment and Treatment Practicum**

Catalog Number: 4439

*Jill M. Hooley 1191 (on leave fall term) and members of the Department
Half course (fall term; repeated spring term). Hours to be arranged.*

Faculty interview psychiatric inpatients to demonstrate establishing treatment alliances, gathering histories, and initial assessment. Group discussion will consider how theoretical principles are applied to clinical work.

Note: Limited to graduate students in clinical psychology.

***Psychology 3080. Practicum in Clinical Neuropsychological Assessment**

Catalog Number: 3583

*William P. Milberg (Medical School) 7912
Half course (spring term). Tu., 4:30–6:30.*

Seminar for advanced doctoral students in clinical psychology; uses a case conference format to discuss the administration and interpretation of neuropsychological tests. Emphasizes integrating scientific literature and methods into the process of clinical decision making.

Note: Limited to Harvard doctoral students in clinical psychology.

Prerequisite: Psychology 2480 and 2482.

***Psychology 3200. Research Seminar in Experimental Psychopathology/Clinical Psychology**

Catalog Number: 6455

*Matthew K. Nock 4645 and Diego Pizzagalli 4425
Half course (fall term; repeated spring term). W., 4–5:30.*

Provides a forum for presenting and discussing current research in experimental psychopathology/clinical psychology. Presenters include graduate students, faculty, and outside speakers. For more information, see www.courses.fas.harvard.edu/~psy3200/.

Note: Attendance required for all students in Experimental Psychopathology/Clinical Psychology.

***Psychology 3220 (formerly *Psychology 2220a). Developmental Studies: Seminar**

Catalog Number: 4672

*Susan E. Carey 4113
Half course (fall term; repeated spring term). M., 2:30–4.*

Research seminar open to graduate students conducting research in cognitive development.

[*Psychology 3250. Psychological Testing]

Catalog Number: 7164

*Marla D. Eby (Medical School) 5333
Half course (fall term). Hours to be arranged.*

This weekly seminar for graduate students in clinical psychology is designed to provide basic skills in administering and interpreting standardized tests in the areas of intellectual assessment and personality assessment.

Note: Expected to be given in 2007–08. Open to Harvard doctoral students in clinical psychology.



***Psychology 3260 (formerly *Psychology 2360). Conceptual Development: Research Seminar**

Catalog Number: 6601

Susan E. Carey 4113

Half course (fall term; repeated spring term). Hours to be arranged.

Covers research methods for the study of conceptual development throughout the life span. All students must be currently engaged in experimental research.

***Psychology 3340. Research Seminar in Cognition, Brain, and Behavior.**

Catalog Number: 1754

Patrick Cavanagh 2447 and members of the Department

Half course (fall term; repeated spring term). Th., 12–1:30.

Researchers in CBB, including graduate students, postdoctoral fellows, and faculty, present and discuss current research in cognitive science. Topics include memory, language, vision, mental imagery, concepts, animal and infant cognition, and related areas.

***Psychology 3360. Current Topics in Vision and Sensory Processes**

Catalog Number: 0604

Ken Nakayama 2558

Half course (fall term; repeated spring term). Tu., at 12.

[*Psychology 3400. Developmental Psychopathology Research Workshop]

Catalog Number: 3205

Matthew K. Nock 4645

Half course (fall term; repeated spring term). Hours to be arranged.

Research presentation series aimed at understanding developmental influences on the occurrence of psychopathology. This workshop welcomes graduate students, faculty, and other scientists from divergent research areas to facilitate cross-disciplinary advances on developmental psychopathology.

Note: Expected to be given in 2007–08.

***Psychology 3420. Research Workshop in Social Psychology**

Catalog Number: 7610

Mahzarin R. Banaji 4258

Half course (fall term; repeated spring term). Tu., 12–1:30.

Provides a forum for the presentation, discussion, and critique of current research in social psychology. Presenters include graduate students and faculty in social psychology plus visitors.

Note: Required of first-year graduate students in social psychology in fall and spring; open to all other social psychology students in fall and spring.

[*Psychology 3500. The Human Mind: Talking Points]

Catalog Number: 5341

Steven Pinker 4733 (on leave fall term)

Half course (spring term). Hours to be arranged.

A graduate companion course to “The Human Mind,” which explores the theories and controversies in greater depth. Topics include nature and nurture, reductionism, determinism,



religion and science, consciousness, violence, politics, sex differences, and rationality.
Note: Expected to be given in 2007–08. Enrollment is limited to teaching fellows for “The Human Mind” and graduate students who have obtained the permission of the instructor.

***Psychology 3550. Teaching Psychology**

Catalog Number: 0853

Mahzarin R. Banaji 4258

Half course (fall term; repeated spring term). W., at 12.

Note: Limited to and required of Sophomore Tutors.

***Psychology 3555. Instructional Styles in Psychology**

Catalog Number: 6831

Susan E. Carey 4113 and members of the Department

Half course (spring term). Hours to be arranged.

Note: Normally required of and limited to department graduate students who are first-time teaching fellows.

[*Psychology 3560. The Real World]

Catalog Number: 5482

Patrick Cavanagh 2447 and Stephen M. Kosslyn 7836

Half course (spring term). Hours to be arranged.

Orientation to the world after graduate school. Reviews basic survival skills, including those used immediately, such as teaching, and those needed for academic jobs, such as writing vitas, giving job talks, preparing grant proposals.

Note: Expected to be given in 2008–09. Limited to graduate students in psychology.

[*Psychology 3600. The Origins of Knowledge: Talking Points]

Catalog Number: 0489

Susan E. Carey 4113 and Elizabeth S. Spelke 3850 (on leave 2006-07)

Half course (fall term). Hours to be arranged.

Graduate companion course to Origins of Knowledge, which explores the theories and controversies in greater depth. Topics include the evolutionary, cultural, and ontogenetic origins of representational capacities, including space, number, objects, agents, language, and intuitive theories.

Note: Expected to be given in 2007–08. Limited to students in the Psychology Department or to those who have obtained permission of the instructor.

***Psychology 3610. Leadership and Group Behavior: Research Seminar**

Catalog Number: 5748

J. Richard Hackman 1504 (on leave 2006-07)

Half course (fall term; repeated spring term). W., 11:30–1:30.

Workshop on theory and methods that are relevant to the conduct of empirical research on purposive groups. Participation is restricted to students who are conducting such research.

[*Psychology 3800. Psychometric Theory]

Catalog Number: 0607



Richard J. McNally 2978 (on leave spring term)

Half course (fall term). Hours to be arranged.

Covers basic psychometric theory and methods essential for reliable and valid measurement. Reliability, validity, and generalizability reviewed. Detailed survey of techniques used to create and evaluate a scale.

Note: Expected to be given in 2007–08.

[*Psychology 3900 (formerly *Psychology 2900). Professional Ethics]

Catalog Number: 6702

Jill M. Hooley 1191 (on leave fall term)

Half course (fall term). Hours to be arranged.

Examines ethical principles and legal issues involved in the practice of psychology, with an emphasis on clinical psychology. Covers ethical principles and code of conduct; uses case examples to highlight the application of these principles.

Note: Expected to be given in 2008–09. Limited to graduate students.

Public Policy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Public Policy

Robert N. Stavins, Albert Pratt Professor of Business and Government (*Kennedy School*) (*Chair*)

Alberto Abadie, Professor of Public Policy (*Kennedy School*)

Arthur I. Applbaum, Professor of Ethics and Public Policy (*Kennedy School*)

Iris Bohnet, Associate Professor of Public Policy (*Kennedy School*)

William C. Clark, Harvey Brooks Professor of International Science Public Policy and Human Development (*Kennedy School*)

Pepper D. Culpepper, Associate Professor of Public Policy (*Kennedy School*)

Susan M. Dynarski, Associate Professor of Public Policy (*Kennedy School*)

David T. Ellwood, Scott Black Professor of Political Economy (*Kennedy School*)

Jeffrey A. Frankel, James W. Harpel Professor of Capital Formation and Growth (*Kennedy School*)

Ricardo Hausmann, Professor of the Practice of Economic Development (*Kennedy School*)

Sheila S. Jasanoff, Pforzheimer Professor of Science and Technology Studies (*Kennedy School*)

Christopher Jencks, Malcolm Wiener Professor of Social Policy (*Kennedy School*)

Joseph P. Kalt, Ford Foundation Professor of International Political Economy (*Kennedy School*)

David M. Lazer, Associate Professor of Public Policy (*Kennedy School*)

Mark H. Moore, Hauser Professor of Nonprofit Organizations (*Kennedy School*)

Erich Muehlegger, Assistant Professor of Public Policy (*Kennedy School*)



Dani Rodrik, Rafiq Hariri Professor of International Political Economy (*Kennedy School*)
Anthony Saich, Daewoo Professor of International Affairs (*Kennedy School*)
Monica D. Toft, Associate Professor of Public Policy (*Kennedy School*)
Richard J. Zeckhauser, Frank Plumpton Ramsey Professor of Political Economy (*Kennedy School*)

The doctoral program in Public Policy trains qualified candidates to shape the direction of public policy research and to prepare the next generation of teachers for programs in public policy. It also qualifies individuals to perform high-level policy analysis and prepares them for positions of leadership in the public sector. Interested applicants should contact the John F. Kennedy School of Government for application material.

All PhD candidates must demonstrate mastery of six fields of study through a combination of course work and written and oral examinations. A sophisticated understanding of the core materials in the MPP program at the Kennedy School, and a demonstrated ability to apply analytic techniques to a field of policy are critical components of the faculty decision to recommend a student to the Graduate School of Arts and Sciences for the dissertation phase of study. Once admitted to the GSAS, a student is expected to work closely with a faculty adviser and dissertation committee. Most dissertations involve the application of analytic techniques to the solution of a substantive problem. A few methodological theses concentrate on developing new analytic techniques, their usefulness to be demonstrated through explicit application to a policy issue.

For more information about the doctoral program, visit the program website at www.ksg.harvard.edu/ksgdoctoral/.

The Study of Religion

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on the Study of Religion

Robert A. Orsi, Charles Warren Professor of History of Religion in America (*Divinity School*)
(*Chair*)
Ryuichi Abe, Reischauer Institute Professor of Japanese Religions
M. Shahab Ahmed, Assistant Professor of Islamic Studies
Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures
Wallace D. Best, Professor of African American Religious Studies (*Divinity School*)
Shaye J.D. Cohen, Nathan Littauer Professor of Hebrew Literature and Philosophy
Francis Fiorenza, Charles Chauncey Stillman Professor of Roman Catholic Theological Studies



(Divinity School) (Director of ThD Studies)

Marla F. Frederick, Assistant Professor of African and African American Studies and of the Study of Religion

William A. Graham, Jr., Murray A. Albertson Professor of Middle Eastern Studies (*FAS*) and John Lord O'Brian Professor of Divinity (*Divinity School*)

Janet Gyatso, Hershey Professor of Buddhist Studies (*Divinity School*) (*on leave 2007-08*)

Jeffrey F. Hamburger, Professor of History of Art and Architecture

Baber Johansen, Professor of Islamic Religious Studies (*Divinity School*)

Christopher P. Jones, George Martin Lane Professor of the Classics and of History

Thomas A. Lewis, Assistant Professor of Christian Studies (*Director of Undergraduate Studies*)

Parimal G. Patil, Associate Professor of the Study of Religion and of Sanskrit and Indian Studies (*Director of PhD Studies*)

Michael J. Puett, Professor of Chinese History

Jonathan Schofer, Assistant Professor of Comparative Ethics (*Divinity School*)

Ronald Thiemann, Professor of Theology and of Religion and Society (*Divinity School*)

Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies

Other Faculty Offering Instruction in the Study of Religion

Leila N. Ahmed, Victor S. Thomas Professor of Divinity (*Divinity School*)

François Bovon, Frothingham Professor of the History of Religion (*Divinity School*)

Ann D. Braude, Senior Lecturer in American Religious History (*Divinity School*)

David L. Carrasco, Neil L. Rudenstine Professor for the Study of Latin America (*FAS, Divinity School*)

Jocelyne Cesari, Associate of the Center for Middle Eastern Studies, Islam in the West Program Director (*Divinity School*)

Francis X. Clooney, Parkman Professor of Divinity and Professor of Comparative Theology (*Divinity School*)

Sarah Coakley, Edward Mallinckrodt, Jr. Professor of Divinity (*Divinity School*)

Harvey G. Cox, Jr., Hollis Professor of Divinity (*Divinity School*)

Nicola F. Denzey, Lecturer on the Study of Religion

John Duffy, Dumbarton Oaks Professor of Byzantine Philology and Literature, Associate of Eliot House (*on leave fall term*)

Arthur J. Dyck, Mary B. Saltonstall Professor of Population Ethics (*Public Health, Divinity School*)

Diana L. Eck, Fredric Wertham Professor of Law and Psychiatry in Society

Robert M. Gimello, Visiting Professor of East Asian Studies and Religious Studies (*University of Arizona*)

Peter J. Gomes, Plummer Professor of Christian Morals (*Divinity School*)

David D. Hall, John A. Bartlett Professor of New England Church History (*Divinity School*)

Helen Hardacre, Reischauer Institute Professor of Japanese Religions and Society

Jay M. Harris, Harry Austryn Wolfson Professor of Jewish Studies

Christine M. Helmer, Senior Scholar in Theology (*Divinity School*)

Albert Henrichs, Eliot Professor of Greek Literature

Evelyn Brooks Higginbotham, Victor S. Thomas Professor of History and of African and African American Studies



Amy Hollywood, Elizabeth H. Monrad Professor of Christian Studies (*Divinity School*) (*on leave 2007-08*)

William R. Hutchison, Charles Warren Research Professor of the History of Religion in America (*Divinity School*)

Michael D. Jackson, Visiting Professor of World Religions (*Divinity School*)

Beverly M. Kienzle, John H. Morison Professor of the Practice in Latin and Romance Languages (*Divinity School*)

Karen L. King, Winn Professor of Ecclesiastical History (*Divinity School*)

Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology in the Faculty of Arts and Sciences and Professor of Medical Anthropology in the Faculty of Medicine

James T. Kloppenberg, David Woods Kemper '41 Professor of American History, Harvard College Professor (*on leave 2006-07*)

Helmut H. Koester, John H. Morison Research Professor of New Testament Studies and Winn Research Professor of Ecclesiastical History (*Divinity School*)

Smita Lahiri, Associate Professor of Anthropology

David Lamberth, Associate Professor of Theology (*Divinity School*)

Jon D. Levenson, Albert A. List Professor of Jewish Studies (*Divinity School*)

David Little, T. J. Dermot Dunphy Professor of the Practice in Religion, Ethnicity, and International Conflict (*Divinity School*)

Peter Machinist, Hancock Professor of Hebrew and Other Oriental Languages

Kevin J. Madigan, Professor of the History of Christianity (*Divinity School*)

Everett I. Mendelsohn

David G. Mitten, James Loeb Professor of Classical Art and Archaeology

Anne E. Monius, Professor of South Asian Religions (*Divinity School*)

Roy Mottahedeh, Gurney Professor of History

Laura S. Nasrallah, Assistant Professor of New Testament and Early Christianity

Kimberley C. Patton, Professor of the Comparative and Historical Study of Religion (*Divinity School*)

Patrick Provost-Smith, Assistant Professor of the History of Christianity (*Divinity School*)

Christopher S. Queen, Lecturer on the Study of Religion

Elisabeth Schüssler Fiorenza, Krister Stendahl Professor of Divinity (*Divinity School*)

P. Oktor Skjaervo, Aga Khan Professor of Iranian

Donald K. Swearer, Visiting Professor of Buddhist Studies (*Divinity School*)

Wei-Ming Tu, Harvard-Yenching Professor of Chinese History and Philosophy and of Confucian Studies

Preston N. Williams, Houghton Research Professor of Theology and Contemporary Change (*Divinity School*)

Courses listed in this section are offered by the Committee on the Study of Religion and by various departments. The Committee is responsible for the program of concentration for undergraduates in the Comparative Study of Religion and for the program of studies leading to the PhD in The Study of Religion. Undergraduate concentrators may, with the prior approval of the Head Tutor, take courses offered by other departments and by the Divinity School for credit toward concentration requirements. Candidates for higher degrees also should consult other sections of this catalog relevant to their programs and the catalog of the Divinity School. Cross registration is required for all Divinity School courses. Many courses have separate requirements



for undergraduate, masters, and doctoral students, and wherever possible also have separate discussion sections.

Courses numbered 10–999 are Primarily for Undergraduates; 1000–1999, For Undergraduates and Graduates; and 2000–2999, Primarily for Graduates. Courses are distributed according to their last three digits in the following sections:

000–099 General: Comparative and Methodological

100–199 Ancient Near Eastern and Israelite

200–299 Judaic

300–349 Greek, Hellenistic, and Roman

350–399 Iranian and Central Asian

400–499 Christianity

500–599 Modern Western

600–699 Hinduism

700–799 Buddhism

800–899 Islam

900–999 African and Other

Tutorials in the Comparative Study of Religion

Primarily for Undergraduates

***Religion 91r. Supervised Reading and Research**

Catalog Number: 8046

Thomas A. Lewis

Half course (fall term; repeated spring term). Hours to be arranged.

Study of special topics in the history and comparative study of religion on an individual or small-group basis.

Note: May not be taken Pass/Fail. Normally open only to concentrators. Permission of Head Tutor required.

***Religion 97 (formerly *Religion 97a and 97b). Tutorial — Sophomore Year**

Catalog Number: 2313

Marla F. Frederick



Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17
Note: Required of concentrators.

***Religion 98a. Tutorial — Junior Year**

Catalog Number: 2832

Thomas A. Lewis

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.

***Religion 98b. Tutorial — Junior Year**

Catalog Number: 2922

Thomas A. Lewis

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.

***Religion 99. Tutorial — Senior Year**

Catalog Number: 6498

Thomas A. Lewis

Full course. Hours to be arranged.

A required component of the senior year tutorial is a monthly seminar, led by the Assistant Head Tutor. Covers research methods and strategies in thesis writing in the fall, becoming an intensive review for general examinations in the spring.

Note: Required of concentrators.

Introductory Courses

Primarily for Undergraduates

[Religion 11. World Religions: Diversity and Dialogue]

Catalog Number: 4811

Diana L. Eck

Half course (fall term). Hours to be arranged.

An introduction to five of the world's religious traditions—Hindu, Buddhist, Jewish, Christian and Muslim—through the lens of modern adherents and interpreters. How do people in each tradition articulate their faith in the context of the modern world and its forms of globalization? How do they think about the challenges of religious pluralism? This course investigates questions of religious difference and introduces critical problems of interpretation in the study of religion.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3220.

[Religion 14. Comparative Religious Ethics]

Catalog Number: 1787

Anne E. Monius (Divinity School)

Half course (spring term). Hours to be arranged.

A comparative examination of conceptions of the moral self and ways of thinking and acting ethically within the framework of three religious traditions: Hinduism, Buddhism, and



Christianity. These issues are explored in part through examination of a number of contemporary moral problems making use of a wide range of sources, including ethnographies, narratives, prescriptive codes, and the works of contemporary ethicists from each tradition.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3409.

Religion 16 (formerly Religion 1004). Religious Dimensions in Human Experience

Catalog Number: 9089

David L. Carrasco (FAS, Divinity School)

Half course (fall term). Tu., Th., at 10 and an hour to be arranged. EXAM GROUP: 12

Study of major themes in the history of religions including religious experience, society and cosmic law, ritual violence and the body, the trickster, search for the soul. Readings focus on the tension between personal memoirs and the social construction of religion in Islam, Judaism, Christian, American Indian, African American and Latino traditions. Introduction to theoretical approaches of M. Jackson, Durkheim, Eliade, Berger, J.Z. Smith, Doniger, and Nandy.

Note: Offered jointly with the Divinity School as 3160.

[Religion 18 (formerly Religion 1469). Religion, Medicine, and Suffering in the West]

Catalog Number: 9610

Robert A. Orsi (Divinity School)

Half course (fall term). Hours to be arranged.

Examination using a variety of theoretical approaches of the meanings of suffering and pain in Christian cultures. Course begins with theoretical reflection on culture and pain, then moves to consider how Christians have responded to the body in pain, including healing practice. Topics include theodicy as cultural practice; martyr as Christian hero; pain and the construction of religious meanings; power, pain, and discipline in religious settings.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2315.

[Religion 19. Religious Belief and Moral Action]

Catalog Number: 0069

Donald K. Swearer (Divinity School)

Half course (spring term). Tu., Th., at 9. EXAM GROUP: 11

An exploration of the relationship between religion and morality. Basic ethical concepts in Christianity, Hinduism, and Buddhism will be studied in relationship to their cosmological, epistemological, and theological frameworks. The course will explore the concepts of virtue, love, justice, nonviolence, and the moral exemplar through the life and writing of Dorothy Day, Martin Luther King Jr., Malcolm X, Mahatma Gandhi, Abd al-Ghaffar Khan, and Thich Nhat Hanh.

Note: Expected to be given in 2007–08. Offered jointly with Divinity School as 3571.

Religion 42. The Christian Bible and Its Interpretations

Catalog Number: 5870

Peter J. Gomes (Divinity School)

Half course (fall term). W., F., at 11, and a weekly section to be arranged. EXAM GROUP: 4

Introduction to the Christian conception of scripture from the closing of the Canon to the Fundamentalist/Modernist controversy. Topics considered include the relationship of scripture to tradition, appropriation of Hebrew scripture, exegetical and hermeneutical theories, and scripture



and culture. Particular attention paid to the development of theories of scriptural authority and their social consequences within the Western Christian experience and American Protestantism.
Note: Offered jointly with the Divinity School as 1210.

Religion 43. The Making of Christianity

Catalog Number: 3257

Nicola F. Denzey

Half course (fall term). M., W., at 11 and an hour to be arranged. EXAM GROUP: 4

What is “Christianity”? Where did it come from? How did religious leaders from Paul to Patrick and Augustine navigate the diverse teachings, rituals, and social practices of Jesus and his followers, or else create their own arguably equally authentic Christianity? How did a single “Christianity” emerge from a welter of alternatives and possibilities? Or did it? Special emphasis will be given to the careful study of primary sources, questions of historiography, and Christianity across cultures.

Note: Offered jointly with the Divinity School as 2324.

Cross-listed Courses

[Foreign Cultures 12. Sources of Indian Civilization]

Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies

Humanities 15. On Being Human: Religious and Philosophical Conceptions of the Self - (New Course)

General: Comparative and Methodological

For Undergraduates and Graduates

Religion 1005. World Religions in Boston: Seminar - (New Course)

Catalog Number: 2655 Enrollment: Limited to 15.

Diana L. Eck

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Investigates religious traditions of the world in the dynamic context of the U.S., focusing on the presence of these traditions in the increasingly complex and diverse religious life of the Boston area today. Visits to a Hindu temple, a Sikh gurdwara, an Islamic Center, and a Buddhist temple or meditation center. Consideration of encounters, connections, and tensions with Christian and Jewish communities. Each student undertakes research on a particular community or issue in the Boston cosmopolis.

Note: Offered jointly with the Divinity School as 3901.

[Religion 1007. Religion in Multicultural America]

Catalog Number: 8833 Enrollment: Limited to 15.

Diana L. Eck

Half course (fall term). Hours to be arranged.

An exploration and analysis of the dynamic multi-religious landscape of the US. Special focus on Muslim and Asian American traditions—Hindu, Buddhist, Sikh and Jain. How are these traditions changing in the American environment? In what contexts do they encounter long-



dominant Christian and Jewish communities? How is America changing as we all struggle with civic, constitutional, and theological issues, especially in the post-9/11 period?

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3847.

Religion 1009. Introduction to Women’s Studies in Religion - (New Course)

Catalog Number: 9774

Leila N. Ahmed (Divinity School) and Ann D. Braude (Divinity School)

Half course (spring term). W., 1–4. EXAM GROUP: 6, 7, 8

The use of gender as a category of analysis has transformed the study of religion. This course will explore a range of topics in women’s studies across a range of religious contexts. Members of the faculty will introduce issues of women and gender from their specific disciplinary and theoretical perspectives.

Note: Offered jointly with Divinity school as 3223.

Religion 1014a (formerly Religion 1014). Realms of Power: Animals in Religion I

Catalog Number: 4827

Kimberley C. Patton (Divinity School)

Half course (fall term). W., 1–3 and a weekly section to be arranged. EXAM GROUP: 6, 7

This course will focus on the symbolism and ritual function of animals in human religious worlds. Using particular cultural histories as paradigms, we will consider themes such as cosmogony, hierarchy, magic, metamorphosis, antinomianism, prophecy, mimesis, hunting, sacrifice, and the role of fantastic creatures. Central to our work will be the evaluation of developmentalist and other theoretical models and their impact on the history of religion.

Note: Offered jointly with the Divinity School as 3656a.

Religion 1014b. Realms of Power: Animals in Religion II

Catalog Number: 0068

Kimberley C. Patton (Divinity School)

Half course (spring term). W., 1–3 and a weekly section to be arranged. EXAM GROUP: 6, 7

A continuation of Religion 1014a.

Note: It is not necessary to have taken Religion 1014a to enroll in 1014b. Offered jointly with the Divinity School as 3656b.

***Religion 1027. Weeping in the Religious Imagination:Seminar**

Catalog Number: 4305 Enrollment: Limited to 15.

Kimberley C. Patton (Divinity School)

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Emblems of powerlessness, tears paradoxically conjure power, productive fertility, and wholeness. This seminar examines in social and historical context the role of tears, weeping, and lamentation in the religious imagination, including non-spontaneous weeping and “spiritual tears.” Traditions studied will include Greek, classical Aztec, African, early and medieval Japanese, Islamic, Jewish, and Eastern Christian. We will also read selected sociological and theological works on religious weeping.

Note: Offered jointly with the Divinity School as 3821. Application for enrollment must be completed at first class meeting.



***Religion 1030. Texts, Writers, and Readers - (New Course)**

Catalog Number: 2033 Enrollment: Limited to 20.

David D. Hall (Divinity School)

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

A reading and research colloquium focusing on the production and transmission of texts in vernacular languages, be these literary, historical, religious, etc. The social practices of authorship and reading in the west as these have persisted or been transformed, from the Renaissance and Reformation through the 19th century. The course draws on methods in the history of the book as well as in literary and cultural studies.

Note: Offered jointly with the Divinity school as 2389.

Religion 1039. Topics in Comparative Religious Ethics: Seminar - (New Course)

Catalog Number: 2323

Jonathan Schofer (Divinity School)

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

The specific themes of the seminar will vary from year to year, but the course will be organized around three or four key problems in the comparative study of religious ethics. Examples include: the foundations of normative claims; the significance of the body; the nature of reason or rationality; the dynamics of emotions, desires, and instincts; the relevance of categories such as the unconscious and the archaic; and various options for comparative scope and method.

Note: Offered jointly with the Divinity School as 3797.

[Religion 1040. Introduction to Comparative Theology and Theology of Religions]

Catalog Number: 3278

Francis X. Clooney (Divinity School)

Half course (fall term). Hours to be arranged.

This course examines the processes by which theologians study other religions' theologies and bring this learning into dialogue with their own traditions through careful comparison, dialogical reflection and, ideally, a subsequent, well-informed theology of religions. Readings include (by way of the necessary concrete example) Hindu primary texts and texts from the Roman Catholic magisterial and theological traditions, but students will be encouraged to bring their knowledge of and interest in other traditions into the class discussions.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3101.

Prerequisite: Prior knowledge of either tradition, though desirable, is not required.

[Religion 1060. Hindu Goddesses and the Virgin Mary: An Experiment in Comparative Theology]

Catalog Number: 3293

Francis X. Clooney (Divinity School)

Half course (spring term). Hours to be arranged.

This course explores gender and the divine first by reading several primary texts of Hindu religious traditions, how goddesses are envisioned and gender constructed in an environment where both gods and goddesses are worshipped. Second, the course examines the cult of the Virgin Mary in light of its historical and theological dimensions particularly in several Marian texts.



Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3416.

Prerequisite: Prior knowledge of either tradition, though desirable, is not required.

[Religion 1061. Reading Hindu Texts Interreligiously I: The Upanisads and Advaita: Seminar]

Catalog Number: 3296 Enrollment: Limited to 15.

Francis X. Clooney (Divinity School)

Half course (fall term). Hours to be arranged.

This seminar is for students interested in the study of primary Indian/Hindu texts, read in translation and in the context of a comparative dynamic of reading across the boundaries of traditions. The fall semester's texts include basic Upanisads and their reception in the Advaita Vedanta tradition (exemplified by the Verses [Karikas] of Gaudapada and the Crest Jewel of Discrimination [Vivekacudamani, attributed to Sankara]), and in turn read in light of excerpts from classics of the Christian theological tradition.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3919.

Prerequisite: No language or course prerequisites, but students will be encouraged to make use of any such expertise.

[Religion 1062. Religion Reading Hindu Texts Interreligiously II: Vedanta Desika's Srimad Rahasya Traya Sara:]

Catalog Number: 3313 Enrollment: Limited to 15.

Francis X. Clooney (Divinity School)

Half course (spring term). Hours to be arranged.

See course description of Religion 1061. This term's text, the Srimad Rahasya Traya Sara of the Srivaisnava theologian Vedanta Desika, is an 14th-century treatise of spiritual theology that both summarizes and argues persuasively for the Srivaisnava practice of total surrender to God. It will be read in light of the theistic Vedanta and Srivaisnava background, Desika's other works, and with excerpts from classics of Christian spiritual theology.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3920.

Prerequisite: No language or course prerequisites, but students will be encouraged to make use of any such expertise.

[Religion 1063. South Asian Religious Aesthetics: Seminar]

Catalog Number: 8607 Enrollment: Limited to 15.

Anne E. Monius (Divinity School)

Half course (spring term). Hours to be arranged.

An examination of South Asian theories of aesthetics and their relevance for understanding Hindu, Buddhist, and Jain discourses of ethics, literature, and theology.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3925.

Prerequisite: Previous coursework in the religious history of South Asia.

[Religion 1076. Religion and Politics in Current "Fundamentalist" Movements](#)

Catalog Number: 8243 Enrollment: Limited to 25.

Harvey G. Cox, Jr. (Divinity School)

Half course (fall term). Tu., 1–3 and an hour to be arranged. EXAM GROUP: 15, 16

A comparative investigation of ultra-conservative movements within four different religious



traditions: Jewish “Settler” theology, the Chabad, and the Lubavot; Roman Catholic dissenting Marian groups and Opus Dei; Protestant TV Evangelists, “Christian Zionism”, and Megachurches; and Islamic radicalism (Hamas) and the Muslim Brotherhood.

Note: Offered jointly with the Divinity School as 2511.

[Religion 1085. Women, Religion, and Theory: Seminar]

Catalog Number: 9239 Enrollment: Limited

Leila N. Ahmed (Divinity School)

Half course (spring term). Hours to be arranged.

This seminar will explore commonalities and differences in feminist issues, strategies, and methodologies across a number of religious traditions as they find expression in a variety of works, including those of some key feminist scholars. We will read texts on women and religion, as well as relevant texts in feminist and post-colonial theory.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2687.

Cross-listed Courses

[Anthropology 1060 \(formerly Anthropology 166\). Archaeological Science](#)

[Anthropology 1630 (formerly Anthropology 132). Anthropology of Religion]

[*Folklore and Mythology 98a (formerly *Folklore and Mythology 97b). Oral Literature and the History of Folkloristics]

[Indian Studies 118. Indian Philosophy: Advanced Introduction](#)

Primarily for Graduates

[*Religion 2001. The Cultural History of the Study of Religion](#)

Catalog Number: 0644

David L. Carrasco (FAS, Divinity School)

Half course (fall term). Hours to be arranged.

An examination of the cultural history of the study of religion from early modernity to the present, in the university as a new academic discipline and in other venues, including missions, colonial engagements, museums, and exhibitions.

Note: Limited to first-year doctoral students. Offered jointly with the Divinity School as 4599.

[*Religion 2002. Contemporary Conversations in the Study of Religion: Seminar](#)

Catalog Number: 0803

Janet Gyatso (Divinity School) and David Lamberth (Divinity School)

Half course (spring term). Tu., 3:30–6:30. EXAM GROUP: 17, 18

An engagement with the theoretical and methodological issues that scholars of religion deem to be the most urgent and compelling in the discipline today, across the various research areas.

Note: For all second-year doctoral students in the Study of Religion.

[Religion 2030. Modern Historiography and the Study of Religion: Seminar]

Catalog Number: 0070

Anne E. Monius (Divinity School)

Half course (fall term). Hours to be arranged.



This seminar offers an intensive examination of modern historiographical theory and considers its potential application to the study of pre-modern and early modern religious traditions and communities.

Note: Expected to be given in 2009–10. Limited to doctoral students and advanced masters-level students. Offered jointly with Divinity School as 3930.

Religion 2040. Religion and Human Rights

Catalog Number: 8115 Enrollment: Limited to 20.

David Little (Divinity School)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

This course will consider the legal, historical, theoretical, and practical connections between religion and human rights. Debates over universality, particularly in relation to religious freedom and nondiscrimination, will be given special attention. Recent theoretical and empirical work, particularly in Asia, Africa, the Middle East, and Europe, will be taken up.

Note: Offered jointly with the Divinity School as 2800.

[Religion 2041. Conscience and Its Freedom: Seminar]

Catalog Number: 7093

David Little (Divinity School)

Half course (spring term). Hours to be arranged.

A consideration of the meaning and significance of the concept of conscience. The seminar will examine the history of the idea in Western thought, and give some attention to its place in Islamic and other cultural settings. It will also touch on the role of conscience in contemporary human rights discourse. It will take up contemporary philosophical, theological, and legal problems associated with the term.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2810.

[Religion 2042. Religion, Nationalism, and Peace]

Catalog Number: 7857

David Little (Divinity School)

Half course (spring term). Hours to be arranged.

The literature on nationalism and ethnicity as it bears on conflict, with special focus on the role of religion, in cases such as Sri Lanka, Sudan, Northern Ireland, Israel, the Palestinian Authority, and Bosnia. Attention to how religion may function constructively.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2812.

Religion 2043. Religion, Justice, and Peace

Catalog Number: 9558

David Little (Divinity School)

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

The study of peace may be subdivided into four areas of inquiry: how peace agreements are made, how they are implemented or "kept," how they are (if necessary) enforced, and how conditions generally congenial to peace are cultivated or "built." The course, accordingly, will review and evaluate recent efforts in each of these areas. Special attention will be given to the problems of justice posed by attempting to make, keep, enforce, and build peace, as, for example, in regard to complying with international human rights and humanitarian standards.



Special attention will also be given to the role of religion in theory and practice as applied to the four areas.

Note: Offered jointly with the Divinity School as 2814.

[*Religion 2055. Religion and Democratic Theory: Seminar]

Catalog Number: 6070 Enrollment: Limited to 15.

Ronald Thiemann (Divinity School)

Half course (fall term). Hours to be arranged.

Examines the relationship between religious reflection and democratic theories of various types. Topics covered include: liberal political theory and theological critique, religious practice and radical democratic theory, cultural/religious diversity and religious truth-claims, religion and public life, and feminist theory and democratic practice. Also considers religion and democratic theory in cross-cultural perspective.

Note: Expected to be given in 2007–08. Among the authors considered will be Seyla Benhabib, Dipesh Chakrabarty, Ernesto Laclau, Chantal Mouffe, Reinhold Niebuhr, Martha Nussbaum, John Rawls, and Adoukharim Saroush. Offered jointly with the Divinity School as 2538.

Graduate Courses of Reading and Research

***Religion 3005. Doctoral Colloquium in Religion, Gender, and Culture**

Catalog Number: 8016

Amy Hollywood (Divinity School) 5547 (on leave 2007-08)

Half course (fall term; repeated spring term). Th., 1–3.

The colloquium will explore key-topics and works in women's/gender/feminist studies in religion.

Note: This colloquium is required for all pre-Generals doctoral students as well as for those admitted as ThM students in Religion, Gender and Culture. Doctoral students from other departments or BTI schools as well as advanced Master's level students who intend to apply to the RGC program or plan to major in this field of study should contact the instructor in advance. Offered jointly with the Divinity School as 2698.

Ancient Near Eastern and Israelite

Cross-listed Courses

[Ancient Near East 102. Introduction to Mesopotamian Religion]

[Ancient Near East 117. Biblical Archaeology]

[Ancient Near East 120. Introduction to the Hebrew Scriptures](#)

[Ancient Near East 135. Biblical Theology: Hebrew Bible]

[*Comparative Literature 211. Mysticism and Literature: Seminar]

[Early Iranian Civilizations 102. Old Iranian Religion/Zoroastrianism](#)

[Early Iranian Civilizations 103. Manicheism](#)

[Sumerian 146. Sumerian Religious Literature](#)

Judaic



For Undergraduates and Graduates

[Religion 1212a. Judaism: The Liturgical Year]

Catalog Number: 5679

Jon D. Levenson (Divinity School)

Half course (fall term). Hours to be arranged.

An introduction to the Jewish tradition through an examination of its liturgical calendar. The ancient Near Eastern affinities and biblical forms of the Jewish holidays; the observance of the holidays in rabbinic law, their characteristic themes as developed in rabbinic non-legal literature, their special biblical readings, the evolution of the holidays over the centuries, contemporary theological reflection upon them. Emphasis on classic texts, focus on theological and literary issues.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 1667a/3667a.

[Religion 1212b. Judaism: The Liturgical Year]

Catalog Number: 8074

Jon D. Levenson (Divinity School)

Half course (spring term). Hours to be arranged.

A continuation of Religion 1212a.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 1667b/3667b.

Prerequisite: Religion 1212a.

[Religion 1240. Time and Space in Rabbinic Judaism - \(New Course\)](#)

Catalog Number: 1200

Jonathan Schofer (Divinity School)

Half course (spring term). Tu., Th., at 1 and an hour to be arranged. EXAM GROUP: 14

This course will examine the ways that spatiality and temporality were understood and made meaningful by the rabbis of Late Antiquity, whose thought and practice have shaped the religious life of Jews to the present day. Topics will include accounts of creation and the cosmos; memory and forgetting; the Temple, synagogues, and everyday spaces; and weekly, monthly, and annual ritual cycles. Readings will be in English translation.

Note: Offered jointly with the Divinity School as 3641.

[Religion 1260. Midrash: Jewish Biblical Interpretation in the Rabbinic Period]

Catalog Number: 2424

Jon D. Levenson (Divinity School)

Half course (spring term). Hours to be arranged.

An introduction to the way the rabbis of the Talmudic period interpreted their Bible. Close reading in English of a range of midrashic literature, halakhic and aggadic, exegetical and homiletical, Tannaitic and Amoraic. Emphasis on literary assumptions and theological affirmations. Consideration of the affinities and contrasts of midrash with early Christian biblical interpretation and with contemporary literary theory.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3669.

Cross-listed Courses



Hebrew 150a. Introduction to Rabbinic Literature
Hebrew 240. Rabbinic Stories and Rabbinic Thought: Seminar - (New Course)
[Jewish Studies 111. Modern Jewish Thought]

Greek, Hellenistic, Roman

For Undergraduates and Graduates

***Religion 1305. Emerging Topics in Greek Religion: Seminar**

Catalog Number: 5630 Enrollment: Limited to 15.

Kimberley C. Patton (Divinity School)

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Examines dimensions in the religious history of Greece neglected until recently, e.g., magic; talismanic and apotropaic beliefs and practices; miasma and catharsis; curse tablets and binding spells; lamentation; the semiotic values of women's handwork; sacred images in cult and society; social aspects of sanctuaries; dreams; time; and the popular construction of evil. The seminar will offer an intensive survey of important work on these "new" topics in ancient Greece.

Note: Offered jointly with the Divinity School as 3815. Application for enrollment must be completed at first class meeting.

Prerequisite: No language prerequisite; some background in ancient Greek religion preferred.

[Religion 1315. Prophecy, Ecstasy, and Dreams in Early Christian History]

Catalog Number: 7435

Laura S. Nasrallah

Half course (fall term). Hours to be arranged.

In the Graeco-Roman world, prophecies, ecstasies, and dreams were considered important ways in which the divine communicated with humans. We explore the history of early Christian debates over prophecy and ecstasy and places them within a broader context. We read various philosophical, theological, novelistic, and political texts from the first century BCE through the fourth century CE. We address questions of how these debates over prophecy and ecstasy connect with issues of power, gender, anthropology, socioeconomics, and religious identity.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 1546.

Cross-listed Courses

Literature and Arts C-14. Concepts of the Hero in Greek Civilization

Primarily for Graduates

[Religion 2348ab. Archaeology and the World of the New Testament: Seminar]

Catalog Number: 4069 Enrollment: Limited to 12.

Laura S. Nasrallah and David G. Mitten

Full course (spring term). Hours to be arranged.

First half introduces students to work with archaeological data from the Graeco-Roman world (inscriptions, architecture, sculpture, coins). Second half consists of on-site seminars in Greece and Turkey during the month of May under the leadership of Greek, German, Austrian, and



American archaeologists.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 1870.

Prerequisite: Greek and French or German; two half courses in the study of ancient Christianity and/or Graeco-Roman religion, history, and archaeology. Course may be divided with permission of instructors.

Christianity

For additional courses on Christian Studies, see the catalog of the Divinity School.

For Undergraduates and Graduates

Religion 1400. Introduction to the New Testament: History and Interpretation

Catalog Number: 4486

Karen L. King (Divinity School)

Half course (spring term). Tu., 1–3, and an hour to be arranged. EXAM GROUP: 15, 16

The texts of the New Testament emerged in the diverse social and complex political context of the Roman empire. Examines historical-critical approaches that attempt to set New Testament texts within their first- and second-century contexts, pays special attention to archaeological materials which aid our understanding of the world from which these texts emerged, and considers how and why these particular texts came to be a canon.

Note: Offered jointly with the Divinity School as 1202.

Religion 1407. Judaism and Christianity: A Conflictual History - (New Course)

Catalog Number: 5320

Nicola F. Denzey

Half course (spring term). M., W., at 10 and an hour to be arranged. EXAM GROUP: 3

Through a close reading of primary sources, this course will trace the historical development of Judaism and Christianity from their origins to the present, paying close attention to themes such as the construction of distinctive worldviews, ethics and identity, ritual and community, sacred space, continuity and—above all—the history of conflict between the two traditions. Materials for examination will include the Bible and commentaries, film, music, comic books, and visual art.

Note: Offered jointly with the Divinity School as 3649.

[Religion 1409. The New Testament, Biblical Studies, and Empire: Seminar]

Catalog Number: 3075 Enrollment: Limited to 15.

Laura S. Nasrallah

Half course (fall term). Hours to be arranged.

The intersection of the New Testament and postcolonial theory. We shall study not only the Roman imperial context in which the New Testament was written, but also 19th and 20th century approaches to the Bible, and the way in which their sometimes orientalizing enterprises constructed the field of biblical studies. Special attention paid to biblical archaeology, quests for the historical Jesus, and the academic institutionalization of biblical studies.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 1887.

**[Religion 1412. Christian Lives: Seminar]**

Catalog Number: 4544

*Harvey G. Cox, Jr. (Divinity School)**Half course (fall term). Hours to be arranged.*

Beginning with its founder, Christianity has always been a religion that makes its message known through personality. We draw on biography and autobiography to trace the history of Christianity and its central teachings from the ancient to the modern period. The first half of the course includes St. Augustine, St. Teresa of Avila, St. Francis of Assisi, and Martin Luther. We consider such modern representatives as Dietrich Bonhoeffer, Martin Luther King, Jr., and Dorothy Day.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2509.

[Religion 1414. Gospel Stories of Women]

Catalog Number: 6902

*Elisabeth Schüssler Fiorenza (Divinity School)**Half course (spring term). Hours to be arranged.*

The course will engage a critical feminist reading of texts in order to assess whether they are “good news” for wo/men. Special attention will be given to feminist reconstructions of early Christian beginnings. Discussions will focus on hermeneutical-theological questions and their consequence for contemporary religious self-understanding and ministerial praxis. Lectures, group discussions, and group projects seek to foster a participatory, democratic style of learning.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 1503/2557.

[Religion 1415. Paul and His Afterlife: Seminar]

Catalog Number: 7861 Enrollment: Limited to 15.

*Laura S. Nasrallah**Half course (spring term). Hours to be arranged.*

This seminar focuses on materials from the first few centuries and on recent trends in Pauline scholarship. The class will study the Pauline epistles in their first-century historical context, as well as some pseudepigrapha and other early interpretations of Paul. We will also investigate recent trends in Pauline interpretation, including feminist interpretation, postcolonial interpretation, the “New Perspective” on Paul and uses of Paul by European philosophers (Zizek, Badiou).

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 1880.

Prerequisite: One year of Greek and one course in New Testament/Early Christianity or Greco-Roman history or permission of the instructor.

Religion 1419. Jesus of Nazareth and the Gospels

Catalog Number: 9164

*Helmut H. Koester (Divinity School)**Half course (fall term). Th., 3–5, and an hour to be arranged. EXAM GROUP: 17, 18*

An investigation of the Gospels of the New Testament (Matthew, Mark, Luke, John) and other ancient Christian Gospel literature (Gospel of Thomas, Dialogue of the Savior); discussion of the developments from the oral traditions about Jesus to their written fixation and of the theological and communal concerns that influenced this process. Discussion of the question of the “historical



Jesus.”

Note: Offered jointly with the Divinity School as 1500.

[Religion 1420. History of Ancient Christianity from the Beginnings to the 4th Century]

Catalog Number: 2397

Karen L. King (Divinity School)

Half course (spring term). Hours to be arranged.

An introduction to select theological and historical materials of ancient Christianity from the 1st to 4th centuries. Particular attention is given to setting out the diversity of Christian ideas and practices, the invention of orthodoxy, and the processes of Christian identity formation within the social and political context of the Roman empire.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 1260/2145.

[Religion 1421. The Gospel of Luke]

Catalog Number: 8662

François Bovon (Divinity School)

Half course (spring term). Hours to be arranged.

A literary, historical, and theological interpretation of some chapters of the Greek text of Luke’s Gospel. Exegetical discussion will focus on Luke’s style, art of composition, and sources, as well as his situation in the history of Christianity. Late Antique Christianity and Reformation interpretations of Luke will be compared from time to time with the work of modern exegetes.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 1511.

Prerequisite: Three terms of Greek.

[Religion 1422. History of the Exegesis and Reception of the Gospel of Luke]

Catalog Number: 0072 Enrollment: Limited to 15.

François Bovon (Divinity School) and Kevin J. Madigan (Divinity School)

Half course (fall term). Hours to be arranged.

A study of the exegesis and reception of the Gospel of Luke in history, stressing the interpretation of the Gospel in the period ca. 200–1600. After studying Luke in its original context, the seminar will turn to commentaries, sermons, and artistic representations of all or parts of the Gospel, as well as to hermeneutical theory from the ancient world.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 1872.

Prerequisite: A major research language (Latin, Greek, or Syriac) helpful, but not required.

[Religion 1423. First Images of Christ—Earliest Christologies of the New Testament](#)

Catalog Number: 8983

François Bovon (Divinity School)

Half course (fall term). Th., 1–3 and an hour to be arranged. EXAM GROUP: 15, 16

Will discuss the earliest forms of christology and their history. Starting from the Jewish messianic expectations of the first century CE., it will investigate the prophetic perspective of Jesus and christological concepts of the first Christian congregations.

Note: Offered jointly with the Divinity School as 1479.

Prerequisite: Introduction to the New Testament or equivalent.



[Religion 1424. The First Epistle to the Corinthians]

Catalog Number: 1514

François Bovon (Divinity School)

Half course (spring term). Hours to be arranged.

This course will focus on Paul's historical and theological argument through a careful reading of the Greek text. An attempt will be made to reconstruct the social setting of the first Christian community in Corinth. Course may be elected as the equivalent of the fourth term of Greek.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 1521.

Prerequisite: One year of Greek.

Religion 1425. The Epistle to the Romans: Seminar - (New Course)

Catalog Number: 6443

François Bovon (Divinity School)

Half course (fall term). Hours to be arranged.

Historical and theological exegesis of the Greek text. Emphasis will be put on the historical situation of the author and of the addressees, on the theological structure of the epistle, and on the Jewish roots of Paul's arguments. Some aspects of Paul's reception in the life of the Christian churches will be integrated into the course.

Note: Offered jointly with the Divinity School as 1519.

Prerequisite: Introduction to the New Testament or the equivalent; three terms of Greek.

[Religion 1426. The Apocryphal Jesus and the Noncanonical Apostles: Introduction to Ancient Christian Apocryphal Literature]

Catalog Number: 8930

François Bovon (Divinity School)

Half course (fall term). Hours to be arranged.

Begins by exploring the field of non-canonical gospels, particularly Greek fragments of lost Gospels, then devotes a longer time to the apocryphal acts of the apostles, particularly to the *Acts of Philip*, and concludes by reading the *Apocalypse of Peter* and the *Apocalypse of Paul*.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 1270/2130.

Religion 1427. Orthodoxy and Heresy in Ancient Christianity

Catalog Number: 3574

Karen L. King (Divinity School)

Half course (fall term). Tu., 1–3 and an hour to be arranged. EXAM GROUP: 15, 16

An examination of the dynamics of early Christian identity formation, including the development of discourses of orthodoxy and heresy, practices of interpreting Scripture, categories of religious identity, and notions of the body. Focuses on reading the primary literature, with special attention to those types of early Christianity later deemed heretical (for example, Marcion, Valentinian Christianity, and Sethian Gnosticism, as well as *The Gospel of Thomas*, *The Gospel of Mary*, and *Secret Revelation of John*).

Note: Offered jointly with the Divinity School as 1700.

Prerequisite: Introduction to the New Testament or History of Ancient Christianity, or the equivalent.



[Religion 1434. History of Western Christianity, 300–1100]

Catalog Number: 5783

Kevin J. Madigan (Divinity School)

Half course (fall term). Hours to be arranged.

Church and society in western Europe from the fourth through the twelfth century. Early and high medieval Christianity in social and cultural context, with attention to popular religious belief and behavior as well as to the institutional church and its leaders.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2230.

[Religion 1437. History of Western Christianity: 1100–1500]

Catalog Number: 5997

Kevin J. Madigan (Divinity School)

Half course (spring term). Hours to be arranged.

Church and society in western Europe during the high and late Middle Ages. Particular attention will be paid to theological and institutional change and continuity and to popular religious movements.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2250.

[Religion 1438. The Friars and Their World, ca. 1100–1325]

Catalog Number: 0851 Enrollment: Limited to 15.

Kevin J. Madigan (Divinity School)

Half course (fall term). Hours to be arranged.

Will focus on primary texts in English having to do with the origins and development of the Franciscans and Dominicans, the two major orders of friars in the high Middle Ages. We will look at these texts also as a way into the social and religious worlds of the 13th and 14th centuries. Topics include mendicant origins, mission, and hagiography; tension within the orders and between them; heresy and inquisition; apocalyptic thought; scholasticism and the universities; and relations with the papacy.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2252.

[Religion 1439. The History of Christianity: An Introduction to Interpretive Issues]

Catalog Number: 6685 Enrollment: Limited to 15.

David D. Hall (Divinity School) and Kevin J. Madigan (Divinity School)

Half course (fall term). Hours to be arranged.

An introduction to the interpretive literature of the history of Christianity in Europe and North America. Focus on major debates and the evolution of theory and method in “religious history.” Topics may include the transition from “church history” to “religious culture,” the “triumph of Christianity” in the Roman Empire, the evolution of papal primacy, the causes of the Reformation, the nature of “popular religion,” and American “exceptionalism.”

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2392.

[Religion 1442. Luther’s Dangerous Doctrines: Conference Course](#)

Catalog Number: 5388

Christine M. Helmer (Divinity School)

Half course (spring term). Hours to be arranged.

If theology is to be bold and relevant, then it must articulate doctrines that are dangerous in terms



of their theological power and their socio-political effect. This course introduces Luther's thought by analyzing his dangerous doctrines in their historical context, by examining them in systematic arrangement from the doctrine of God to the Christian life, and by engaging their power to address contemporary issues. Intensive reading is based on Luther's texts and selected secondary literature.

Note: Offered jointly with the Divinity School as 1442.

[Religion 1448. Christianity, Mission, and the "Other": Seminar]

Catalog Number: 8843 Enrollment: Limited to 20.

Patrick Provost-Smith (Divinity School)

Half course (fall term). Hours to be arranged.

This seminar will explore a number of historical, theological, and theoretical problems in the history of Christian encounters with 'others.' We will consider debates over the meaning of "conversion," the geo-political expansion of Christendom, various historical paradigms of Christian missionary activity, the problems of colonialism and imperialism, and contemporary discussions of mission in a religiously plural world. Attention will also be given to the historiographical problems of "mission history."

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 2272.

[Religion 1451. Christian Thought: Renaissance and Early Modern]

Catalog Number: 8766

Patrick Provost-Smith (Divinity School)

Half course (fall term). Hours to be arranged.

Explores major movements in Christian thought from the "crisis of Christianity" recognized by early Renaissance humanists to the consolidation of confessional Christian identities in the early 17th century. Problems will include the meaning of the "Renaissance," the intellectual landscape of Protestant and Catholic reformations, and the expansion of Christianity to the Americas and Asia.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 2282.

[Religion 1457. Renaissance Thought: Utopia and its Critics: Seminar]

Catalog Number: 3165 Enrollment: Limited to 20.

Patrick Provost-Smith (Divinity School)

Half course (fall term). Hours to be arranged.

Reading the "utopias" of Thomas More and Francis Bacon, with examination of the intellectual context for these works, and attention to the development of "utopia" as a philosophical critical genre. We will then read contemporary philosophical material on "utopia," from Ernst Bloch and the early Frankfurt School.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 2284.

[Religion 1465. Liberal Protestantism and its Historical Contexts](#)

Catalog Number: 0833

David D. Hall (Divinity School)

Half course (fall term). M., W., at 10 and an hour to be arranged. EXAM GROUP: 3

Spanning two centuries and encompassing British as well as American religious history, this course concerns the emergence of liberal Protestantism, first in reaction to evangelical orthodoxy



and the revivals of the 18th century, and second, in response to romantic and modernist movements of the 19th century. Key figures include Locke, W. E. Channing, R. W. Emerson, Horace Bushnell, and M. Arnold; significant attention as well to the emergence of Unitarian-Universalism.

Note: Offered jointly with the Divinity School as 2273.

[Religion 1468. Religion in America: From the Coming of the Europeans to the 1870s]

Catalog Number: 2509

David D. Hall (Divinity School)

Half course (fall term). Hours to be arranged.

Encompassing both “mainstream” and insurgent, “popular” or “new” forms of religion (e.g., the Society of Friends, Mormonism, African-American Protestantism), this survey course deals with the history of Christian thought; changing patterns of religious practice; and religion and society in the context of the regulating and/or liberating “reform” movements of the 19th century.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2303.

Religion 1472. The Ethical and Religious Thought of Martin Luther King, Jr.

Catalog Number: 8761

Preston N. Williams (Divinity School)

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

A study of the life, thought, and actions of Martin Luther King, Jr. An ethical analysis of his primary concepts, ideas, and strategies based upon a reading and discussion of his writings and their sources.

Note: Offered jointly with the Divinity School as 2721.

[Religion 1479. Liberation Theology in the Americas]

Catalog Number: 5346

Thomas A. Lewis

Half course (spring term). Hours to be arranged.

Liberation theology seeks to bring the social teachings of Christianity to bear on political and economic injustice. This course treats liberation theologies as socially grounded, politically engaged currents in religious thought. Focusing on Latin America, we will investigate the historical contexts and central themes of liberation theology: the relationship between theory and practice, the political function of the church, the relation between political freedom and salvation, and the role of intellectuals.

Note: Expected to be given in 2007–08. Offered jointly by the Divinity School as 2472.

[Religion 1481. Introduction to Catholicism]

Catalog Number: 4993

Thomas A. Lewis

Half course (spring term). Hours to be arranged.

Explores Catholicism in its diversity, with emphasis on the modern world. Students examine early developments of Christian theology and consider how Catholicism has responded to modern challenges including modern science, democratic ideals of equality, changing social values, increasing knowledge of other cultures, and struggles against injustice and poverty. Religion is viewed not simply as abstract ideas but in relation to social context and the lived



religious practices of Catholics around the world.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2474.

[Religion 1482. The Catholic Experience in the US]

Catalog Number: 9510

Robert A. Orsi (Divinity School)

Half course (spring term). Hours to be arranged.

The varieties of Catholic cultures and practices from the colonial period to the present. Topics include: Catholicism and American liberalism; Catholic popular piety on American streets and farms; Catholic political radicalism; the rise of the Catholic school system; Catholics and American modernity; Catholics and public morality and civic culture in the US (motion picture censorship, for example, the anti-abortion debate).

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 2310.

Religion 1483. The Catholic Sixties

Catalog Number: 8882 Enrollment: Limited to 35.

Robert A. Orsi (Divinity School)

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

An examination of profound change across US Catholic culture in the middle years of the 20th century, of the interplay of religious and social transformations. Topics include the Catholic anti-war movement; the new immigrations (from Haiti, for example) and of continuing migration from Mexico; the encounter with race and the cities; the new lives of women religious; sacrilege as cultural practice; memory and the making of popular historical consciousness.

Note: Offered jointly with the Divinity School as 2309.

Religion 1490. Feminist Theology as Systematics: A Critical Survey

Catalog Number: 3223

Sarah Coakley (Divinity School)

Half course (fall term). Tu., 3–5 and an hour to be arranged. EXAM GROUP: 17, 18

This course surveys works on feminism, gender, and the history of Christian theology, and analyzes its effects on the contemporary task of systematic theology. It provides the historical backcloth against which a range of contemporary feminist theologies and theories of religion and gender are analyzed systematically. The aim is to provide a theological response to current discussions of gender, and a revitalized sense of the task of systematic theology as compatible with such an interest.

Note: The course is suitable both for beginners in this field and for those with an existing knowledge of feminism and gender theory. Offered jointly with the Divinity School as 2436.

[Religion 1492. Introduction to Christian Theology]

Catalog Number: 2161

Sarah Coakley (Divinity School)

Half course (fall term). Hours to be arranged.

A basic course for beginning students which analyzes different approaches to Christian theology as evident in classic, modern, and contemporary theological texts.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2401.



Religion 1493. Contemporary Roman Catholic Theology

Catalog Number: 6926

Francis Fiorenza (Divinity School)

Half course (spring term). W., 1–3 and an hour to be arranged. EXAM GROUP: 6, 7

A survey of contemporary Roman Catholic theology that discusses issues in the interpretations of God, Jesus, and the church with reference to theological method. The broad spectrum of present-day Roman Catholic theology will be covered through an analysis of diverse theologians and approaches: existential, transcendental, liberationist, feminist, analytical, and hermeneutical.

Note: Offered jointly with the Divinity School as 2479.

[Religion 1496. Truth, Beauty, and Love: Theology in Dialogue] - (New Course)

Catalog Number: 9611

Christine M. Helmer (Divinity School)

Half course (spring term). Hours to be arranged.

How can theology recover the “big concepts” so that it makes a contribution to the study of religion and culture and more broadly to the humanities? We will study ideas of truth, beauty, and love by addressing both the method of theologically recovering these concepts as live options for scholarship and the question of determining their content by empirical and conceptual means. Texts will be chosen from the medieval, Reformation, Enlightenment, and modern periods.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2405.

Religion 1497. Liberally Theological - (New Course)

Catalog Number: 9579

Christine M. Helmer (Divinity School)

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Takes the theological position of liberalism in new directions and critically looks at its failures, by focusing on two pressing contemporary questions: 1) the relation of liberal theologies to authority, taking into account liberal commitments to diversity, tolerance, and experience; 2) the framing of liberal theologies to include definitive commitments to liberation. We will be in dialogue with thinkers from the Enlightenment and contemporary theology.

Note: Offered jointly with the Divinity School as 2408.

[Religion 1498. Problems in Contemporary Theology: An Introduction]

Catalog Number: 5367

Christine M. Helmer (Divinity School)

Half course (fall term). Hours to be arranged.

This course surveys the basic problems that theologians address. We will focus on how problems, such as love and evil, are analyzed, both in dialogue with representative theologians of the West and in view of theological consensus regarding how this dialogue can take place. We will also look at the relations between diverse genres of theological expression (for example, sermons, hymns) in order to appreciate how theology is communicated in different contexts.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 2404.

Religion 1499. Theology of Love - (New Course)

Catalog Number: 0451



Christine M. Helmer (Divinity School)

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Love offers possibilities of life and newness even in this age of violence and despair. We will study love as it is articulated from historical, philosophical, and psychological perspectives and show how these accounts can inform the particular theological determination of the concept of love. We will also address the distinctive problems inherited by theology for understanding true love between self, others, and God.

Note: Offered jointly with the Divinity School as 2407.

Cross-listed Courses

[History 2630hf. Intellectual History: Seminar]

[*History 2662hf. Readings in American Thought]

[Medieval Greek 115ar. Introduction to Byzantine Greek](#)

[Medieval Studies 125. The Spirit's Voices: Holy Women in Medieval Christianity]

Primarily for Graduates

[Religion 2401. New Testament Studies: Seminar]

Catalog Number: 7788 Enrollment: Limited to 10.

Elisabeth Schüssler Fiorenza (Divinity School)

Half course (spring term). Hours to be arranged.

Focuses on New Testament studies but raises issues that are significant for all areas of theological and religious studies. Examines the history, methods, research areas, educational practices and theoretical paradigms of the discipline.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 1885.

[Religion 2426. Editing Greek Christian Literature: Seminar]

Catalog Number: 9005

François Bovon (Divinity School) and John Duffy

Half course (spring term). Hours to be arranged.

We explore the several-step preparation of a scholarly text edition. The introductory sessions focus on heuristic questions: how to track down manuscripts of authors and individual works; how to find library catalogs and descriptions; how to obtain copies of documents. The rest of the course is devoted to a hands-on exercise in editing and translating one or more short Greek Christian texts, particularly apocryphal texts.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 1874.

Prerequisite: A course in Greek Paleography, and a strong background in Greek.

[Religion 2464. Radical Religion in England and America, 1550–1750: Seminar]

Catalog Number: 5810 Enrollment: Limited to 20.

David D. Hall (Divinity School)

Half course (spring term). Hours to be arranged.

The history of the Puritan movement in the context of the Reformation and the Reformed tradition; mainstream and radical movements, including Quakerism. A reading seminar, using



primary materials and the major historiography.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2270.

[Religion 2477. God]

Catalog Number: 8838 Enrollment: Limited to 12.

Francis Fiorenza (Divinity School)

Half course (spring term). Hours to be arranged.

An analysis of select 20th-century theologians in their approach to the issue of the knowledge of God and in their interpretations of the nature of God.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2634.

[Religion 2480. Karl Barth: Seminar]

Catalog Number: 8592 Enrollment: Limited to 12.

Ronald Thiemann (Divinity School)

Half course (fall term). Hours to be arranged.

An intensive reading and research course on the work of Karl Barth. Attention will be given to the theological and political development throughout his work, including his involvement in the German Church Struggle.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity school as 2535.

Prerequisite: At least one course in modern theology.

Graduate Courses of Reading and Research

***Religion 3420hf. Seminar for Advanced New Testament Students**

Catalog Number: 6026 Enrollment: Limited to 15.

Karen L. King (Divinity School) 4217

Half course (throughout the year). Alternate W., 3–5.

Topic for 2006–07: The Body and Ancient Christianities. The course will examine ancient notions of the nature of the body and the soul in early Christian controversies over matters such as sex and gender, evil and justice, sin and purity, disease and healing, death and resurrection.

Note: A course available to ThM, ThD, and PhD candidates, and qualified MTS and MDiv students with permission of the instructor. Required for ThM candidates in the field and for ThD and PhD candidates until the term following successful completion of general exams. Offered jointly with the Divinity School as 1980.

[*Religion 3450hf. Colloquium in Religion and Theory]

Catalog Number: 5177 Enrollment: Limited to 25.

Patrick Provost-Smith (Divinity School) 4808

Half course (throughout the year). Hours to be arranged.

This colloquium will discuss theoretical issues and texts that have had a formative impact on the study of religion, with topics that will vary according to student interest. Past topics have included postcolonial theory and Foucault.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2288.

Modern Western



For Undergraduates and Graduates

[Religion 1510. Hegel's *Phenomenology of Spirit*]

Catalog Number: 0138

Thomas A. Lewis

Half course (spring term). Hours to be arranged.

Perhaps the most influential of Hegel's writings, this work provides an introduction to his thought and considers topics in ethics, philosophy of history, religious thought, and epistemology.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2653.

Religion 1511. Hegel

Catalog Number: 6782

Thomas A. Lewis

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

This seminar examines Hegel's philosophy of spirit, including his conception of human beings, ethics, politics, and the relationship between religion and philosophy. We investigate how these dimensions of his thought fit into the larger system as well as ask what aspects of his thought remain viable today. Readings from the *Encyclopaedia*, *Philosophy of Right*, *Lectures on the Philosophy of History*, and *Lectures on the Philosophy of Religion*.

Note: Offered jointly with the Divinity School as 2652.

Religion 1513. History of Harvard and Its Presidents

Catalog Number: 1233 Enrollment: Limited to 100.

Peter J. Gomes (Divinity School)

Half course (spring term). W., F., at 11, and an hour to be arranged. EXAM GROUP: 4

An exploration of the intellectual and institutional history of America's oldest college through the examination of four pairs of its 27 presidents. Among themes to be considered are European antecedents, developments in faculty, governance, and curriculum, as well as the maturation of the built environment. Significant attention is paid to the evolution of the religious context of the school, including the practice of and instruction in religion, and the challenges of secularism and pluralism.

Note: Offered jointly with the Divinity School as 2297.

Religion 1517. American Liberal Religious Thought: Formations of a Tradition

Catalog Number: 7116

David Lamberth (Divinity School)

Half course (spring term). W., 3–5, and an hour to be arranged. EXAM GROUP: 8, 9

Surveys important authors in the formative development of liberal religious thought in America into the early 20th century, such as Channing, Emerson, Thoreau, James, Royce, Matthews, DuBois, Wieman, Dewey.

Note: Some prior work in theology or philosophy is suggested. Offered jointly with the Divinity School as 2551.

Religion 1520. Introduction to Hermeneutics and Theology

Catalog Number: 6184



Francis Fiorenza (Divinity School)

Half course (fall term). M., W., at 10 and an hour to be arranged. EXAM GROUP: 3

General introduction to hermeneutical theory. A survey of the development from classical to modern and contemporary hermeneutics. Examines the influence of contemporary hermeneutical theory upon the interpretation of biblical texts, the diverse conceptions of theology, and the explication of key theological categories such as revelation, experience, method, foundations, classics, community, and practice.

Note: Offered jointly with the Divinity School as 2410.

Religion 1526. Religion in America from c. 1865 to the 1970s

Catalog Number: 8025

Robert A. Orsi (Divinity School)

Half course (spring term). M., W., at 10 and an hour to be arranged. EXAM GROUP: 3

American religions from the end of the Civil War to the 1970s. Topics include religions of immigrants and migrants; religion and race; new religious idioms (such as Pentecostalism) and the reinvention of traditions in response to the challenges of modern culture; religious constructions of social and moral issues (e.g., abortion and workers' rights), the religious response to urbanization and suburbanization, religion and gender.

Note: Offered jointly with the Divinity School as 2304.

[Religion 1530r. Religious Values and Cultural Conflict]

Catalog Number: 6858

Harvey G. Cox, Jr. (Divinity School)

Half course (fall term). Hours to be arranged.

By reading a number of recent novels and reflecting on both their content and their sometimes controversial reception, we will examine how conflicting theological, cultural, and ethical values find expression. The works considered are *Charming Billy* by Alice McDermott, *The God of Small Things* by Arundhati Roy, *The Beauty of the Lilies* by John Updike, *Children of Men* by P.D. James, *Satanic Verses* by Salman Rushdie, *Left Behind* by Tim LaHaye and Jerry B. Jenkins, *Jazz* by Toni Morrison, and *Lying Awake* by Mark Salzman.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2504.

[Religion 1534. Feminist Theologies: Contexts and Methods]

Catalog Number: 3081

Elisabeth Schüssler Fiorenza (Divinity School)

Half course (fall term). Hours to be arranged.

In the past decades many different feminist religious voices have emerged around the globe. The course will study key feminist thea/ological directions and explore how their theoretical frameworks and methods are shaped by their different socio-cultural-religious locations and struggles. Lectures, group sessions, and projects.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 2688.

Religion 1535. Theology and Power: Seminar

Catalog Number: 8857 Enrollment: Limited to 12.

Francis Fiorenza (Divinity School)

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16



An exploration of the diverse understandings of power within classical and recent social and theological thought. Transitions in the understanding of power with contemporary critical theory, feminist theology, and post-colonial theory will be discussed. Among the authors described: Weber, Lukes, Dahl, Foucault, Arendt, Habermas, Tillich, Rahner, Boff, West, Cobb, Butler, and Young.

Note: Offered jointly with the Divinity School as 2633.

[Religion 1536. Introduction to Theology and Culture]

Catalog Number: 1908 Enrollment: Limited to 30.

Francis Fiorenza (Divinity School)

Half course (fall term). Hours to be arranged.

A basic introduction to theology and some of its central themes, topics, and issues. Specific attention is given to theological method, the relation between theology and religious studies, and the intersection of theology and culture, and the relation between faith and critical inquiry.

Note: Expected to be given in 2007–08.

[Religion 1537. Political Theology, Justice, and Rights] - (New Course)

Catalog Number: 5652 Enrollment: Limited to 12.

Francis Fiorenza (Divinity School)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

This course will explore contemporary issues within political theology, its relation to diverse theories of justice, and the significance of human rights. It deals with the relation between political theology and the foundations of social ethics, justice, rights, and theology, as well as the relation between ethical and religious reflection and the social construction of reality. Special emphasis to the work of Metz, Moltmann, Wolin, Rawls, Scanlon, Ignatieff, Nussbaum, and Jürgen.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2632.

[Religion 1540. Back to the Future: Schleiermacher for Theology Today - \(New Course\)](#)

Catalog Number: 0578

Christine M. Helmer (Divinity School)

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Schleiermacher's vision for the modern academic disciplines was timely and yet has largely ignored. We will explore Schleiermacher's 19th-century thought as a lens for engaging questions regarding how knowledge is produced, how knowledge is shaped by interpretation, and how theology can make claims to knowledge about God, self, and world in such a way as to be both true and perspectival, committed and modest.

Note: Offered jointly with the Divinity School as 2406.

[Religion 1541. Kant: Seminar]

Catalog Number: 5295

David Lamberth (Divinity School)

Half course (spring term). Hours to be arranged.

A close reading of major works of Kant relevant to theology and philosophy of religion. The seminar focuses on issues such as the nature and limits of reason, the concepts of freedom, morality and faith, and the idea of God.



Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2674.

Prerequisite: Advanced work in theology or philosophy of religion.

[Religion 1542. Kierkegaard: Seminar]

Catalog Number: 0515

David Lamberth (Divinity School)

Half course (fall term). Hours to be arranged.

A close consideration of theological and philosophical issues in the major works of Kierkegaard, both the pseudonymous and Christian writings.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 2678.

Prerequisite: Advanced work in theology or philosophy of religion.

[Religion 1543. 19th-Century Religious Thought: Theology and the Critique of Religion]

Catalog Number: 5065

David Lamberth (Divinity School)

Half course (fall term). Hours to be arranged.

The 19th-century formulated many of the questions and frameworks that continue to dominate theology and religious reflection in the West. We consider the developing interplay between modern Christian theology (primarily continental) and the principal philosophical and social critiques of religion in the 19th-century. Topics include human nature, religion, the divine-human relationship, religious knowledge, the social, and historicity. Readings from Kant, Schleiermacher, Hegel, Marx, Feuerbach, Kierkegaard, Nietzsche, Harnack, and Troeltsch.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2431.

[Religion 1546. Religion and the American Pragmatic Tradition]

Catalog Number: 3565

David Lamberth (Divinity School)

Half course (spring term). Hours to be arranged.

Surveys the American pragmatic tradition, attending to views of the nature and place of religion. The first part takes up the classical pragmatists, beginning with Emerson as precursor, then focusing on Peirce, James, and Dewey. Topics include belief, experience, truth, action, ethics, rationality, and the nature and role, socially and individually, of religion. The latter part considers contemporary neo-pragmatists, including Rorty, Putnam, Chopp, and Stout. Prior work in theology or philosophy is recommended.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 2671.

[Religion 1547. Modern Theology and the Ends of Modernity]

Catalog Number: 7008

David Lamberth (Divinity School)

Half course (spring term). Hours to be arranged.

Continuing Religion 1543, this course considers 20th-century developments within modern theology, focusing on the internationalization and extension of 19th-century derived forms of critique. Begins with the social gospel and kerygmatic theology, and pays particular attention to the emergence of feminist and black liberation theologies in the US, as well as selected developments in postmodern thought. Readings include Anderson, Barth, Cone, Daly, Dewey,



Niebuhr, Rauschenbusch, Shüssler-Fiorenza, Tillich, Taylor.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2433.

Religion 1548. Psychoanalysis and Character Ethics - (New Course)

Catalog Number: 0741

Jonathan Schofer (Divinity School)

Half course (fall term). Tu., Th., at 12 and an hour to be arranged. EXAM GROUP: 14

How does the human psyche operate? In what ways can people transform their emotions and desires to become, in some sense, better? These two questions are shared by both the psychoanalytic tradition and scholars of virtue ethics, though they have arguably conflicting responses concerning the nature of psychological dynamics and the possibilities for change. This course will address readings from Aristotle, Freud, and recent thinkers who engage the relationship between these two approaches.

Note: Offered jointly with the Divinity School as 3639.

Religion 1549. Media, Religion, and Social Meaning

Catalog Number: 3414

Marla F. Frederick

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Looks at the historic development of radio and television ministries and their influence on contemporary American Christendom. In some cases, televised church has blurred religious denominationalism and disrupted simple social binaries of black/white, rich/poor, male/female. What are the new and/or normalized categories of religious particularity? And how might new articulations of religious unity disrupt politicized notions of race, class, and gender solidarity in different local/national as well as transnational settings?

Note: Offered jointly with the Divinity School as 2517.

[Religion 1550. Religion and American Public Life]

Catalog Number: 1431

Ronald Thiemann (Divinity School)

Half course (fall term). Hours to be arranged.

An overview of the issues that arise within American democracy concerning the public role of religion. Covers issues in public theology, democratic political theory, and constitutional law. Concludes with a case study in public policy, considering such issues as religion and welfare policy, religion and the First Amendment, religion and warfare.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2524.

[Religion 1552. Reason, Tradition, and Modernity: Seminar]

Catalog Number: 0740

Thomas A. Lewis

Half course (fall term). Hours to be arranged.

The modern West has been defined largely by pervasive challenges to inherited religious beliefs, ethical mores, and political institutions. Since the Enlightenment, these developments have provoked widespread reflection on the nature and significance of tradition, the limits of reason, as well as the relation between reason and tradition. We will trace this current from the developments of German romanticism through recent “new traditionalist” thought, such as that of



Alasdair MacIntyre.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2638.

[Religion 1558. Religion in the US Between WWI and WWII]

Catalog Number: 1756

Robert A. Orsi (Divinity School)

Half course (fall term). Hours to be arranged.

US religious history in the interwar years and the public and academic construal of “religion” in the same period. Topics include religion and labor and accounts of workers’ religion, Middletown’s religion, religion in the WPA guides.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2311.

Religion 1560. Religion and Society in 20th Century America: A Biographical Approach: Seminar

Catalog Number: 7061

Harvey G. Cox, Jr. (Divinity School)

Half course (spring term). Tu., 3–5. EXAM GROUP: 17, 18

This course will focus on representative figures in the complex relationship of religion and society in the America of the 20th century, including Walter Rauschenbusch, Jane Addams, Aimee Semple McPherson, Reinhold Niebuhr, Billy Graham, Dorothy Day, Martin Luther King, Jr. and William Sloan Coffin.

Note: Offered jointly with the Divinity School as 2522.

Religion 1567. Religion and the Public Intellectual

Catalog Number: 2548

Ronald Thiemann (Divinity School)

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

An inquiry into the role of the public intellectual in contemporary culture. The course will review the critical literature on the public intellectual focusing on the question of religion. Special attention will be given to the social and cultural conditions that enable religiously based social criticism and to the various genres (poetry, the essay, the novel) through which that criticism is communicated. Readings in Bender, Camus, Day, Hughes, Jacoby, Niebuhr, Nussbaum, Orwell, West, and others.

Note: Offered jointly with the Divinity School as 2528.

Religion 1574. Nature, Time, and Difference: Irigaray, Grosz, and Braidotti - (New Course)

Catalog Number: 2156 Enrollment: Limited to 15.

Amy Hollywood (Divinity School)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

The seminar will focus on recent developments in feminist theory grounded in the rendering temporal of nature and the “philosophy of life” of Henri Bergson and Giles Deleuze.

Note: Offered jointly with the Divinity School as 2621.

Religion 1575. Nature, Time, and Desire: Bergson and Deleuze - (New Course)

Catalog Number: 6775 Enrollment: Limited to 15.

Amy Hollywood (Divinity School)



Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

The seminar will explore 20th-century reconceptualizations of nature and time, with particular attention to the potential usefulness of these “philosophies of life” for feminist intellectual and political projects.

Note: Offered jointly with the Divinity School as 2622.

Religion 1580a (formerly Religion 1580). Introduction to African American Religious History - Part One

Catalog Number: 7140

Wallace D. Best (Divinity School)

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

This two-part course will trace the origins and development of African American religion in the US. Part one begins with the important theoretical debate about “Africanisms.” We will then examine “slave religion” in its various forms, paying particular attention the practices of baptism and sacred dance. The course concludes with an exploration of the changing role of black churches during the Jim Crow era, amid pseudo-scientific claims about black intellectual capacity and black sexuality.

Note: Offered jointly with the Divinity School as 2334a.

Religion 1580b. Introduction to African American Religious History – Part Two - (New Course)

Catalog Number: 3279

Wallace D. Best (Divinity School)

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

This two-part course will trace the origins and development of African American religion in the US. Part two begins with a discussion of African American religion in the 20th century during the Great Migration. This part of the course will pay particular attention to “urban” religion and the rise of “The Black Gods of the Metropolis.” The course concludes with an examination of the contested role of black churches during the Civil Rights Movement.

Note: Students do not need to have taken 1580a prior to taking this course. Offered jointly with the Divinity School as 2334b.

[Religion 1582. Langston’s *Salvation: Race, Religion, and the Harlem Renaissance*]

Catalog Number: 6071 Enrollment: Limited to 20.

Wallace D. Best (Divinity School)

Half course (spring term). Hours to be arranged.

The Harlem Renaissance of the 1920s is most often depicted as “the flowering of African American arts and literature.” It can also be characterized as a period of emergence for diverse forms of African American religious expressions, ideologies, and institutions. This course will explore the literature and visual arts of the Harlem Renaissance to understand the pivotal intersection of race and religion during this time of black “cultural production.”

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2335.

[Religion 1583. The African American Sacred Music Tradition]

Catalog Number: 9242

Wallace D. Best (Divinity School)



Half course (spring term). Hours to be arranged.

Black Gospel has been called the "sacred sister to the blues." Like the blues, it is a musical genre deeply rooted in the African American experience. This course will trace the history of Black Gospel from its "modern" origins in 1930s Chicago, popularized by Thomas Dorsey and Mahalia Jackson, into the 1990s mainstream. Analyzing songs from each period of Black Gospel, we will explore the ways the music has tended to reflect and critique the current cultural climate.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2336.

Religion 1584. The American Sermon: Homiletics in the Mainstream and on the Margins - (New Course)

Catalog Number: 1697 Enrollment: Limited to 15.

Wallace D. Best (Divinity School)

Half course (fall term). Hours to be arranged.

The sermon is one of the most unique contributions to the American literary and oral tradition. This course will examine sermonic texts from the era of the "Great Awakenings" of the late 18th and early 19th centuries up to 1970s. We will explore these homilies, placing both the texts and their authors in historical context. We want to discover the theological perspectives contained in the sermons and the cultural and social situations that helped shape them.

Note: Offered jointly with the Divinity School as 2338.

Religion 1586. Black and Womanist Theologies: Seminar - (New Course)

Catalog Number: 9021 Enrollment: Limited to 15.

Wallace D. Best (Divinity School)

Half course (spring term). Hours to be arranged.

In this course we will read the scholarship of major Black and Womanist Theologians, putting those works in critical engagement with each other. We will give particular attention to the ways these theological frameworks do or do not work towards a "full" theology of the African American experience and the human experience more broadly. Of central importance will be the themes crucial to Black and Womanist theologies including race, spirituality, social justice, ethics, and sexuality.

Note: Offered jointly with the Divinity School as 2344.

[Religion 1591. Pentecostalism as a Global Religion]

Catalog Number: 3989

Wallace D. Best (Divinity School) and Harvey G. Cox, Jr. (Divinity School)

Half course (fall term). Hours to be arranged.

This course looks into the religious and cultural sources of Pentecostalism from its birth in Los Angeles in 1906, focusing on such distinctive features as healing, expressive bodily worship, "speaking in tongues," and its special appeal to people on the margins of society. We will then discuss its partial mutation into "neo-Pentecostalism," its political and familial implications and the recent emergence of a Pentecostal theology of religions and a social theology.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 2499.

Cross-listed Courses



[African and African American Studies 184. Women and Religious Expression in 20th-Century African-American History]

[African and African American Studies 193. Religion and Social Change in Black America](#)

Primarily for Graduates

[Religion 2501. The Religious History of American Women: Seminar]

Catalog Number: 6508 Enrollment: Limited to 16.

Ann D. Braude (Divinity School)

Half course (fall term). Hours to be arranged.

Focuses on the relationship between concepts of piety and concepts of femininity in American culture. Assesses both the role of gender in shaping religious history and the impact of religion on gender norms. Explores established groups, as well as theological and institutional innovators such as in Shakerism and Christian Science.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2325.

Prerequisite: Some previous work in American religious history.

[Religion 2540. Circumscribing a Discipline: Theology and the Philosophy of Religion: Seminar]

Catalog Number: 4141 Enrollment: Limited to 12.

David Lamberth (Divinity School)

Half course (spring term). Hours to be arranged.

1) What are the conditions under which the philosophy of religion emerged as its own field? And
2) to what extent is it justifiable and valuable to consider the philosophy of religion as separate from theology?

Note: Expected to be given in 2007–08. Offered by the Divinity School as 2672.

Prerequisite: Advanced work in theology or philosophy of religion.

[Religion 2541. Religious Experience: Seminar - \(New Course\)](#)

Catalog Number: 9647

David Lamberth (Divinity School)

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

An in-depth analysis of the construction and critique of religious experience in modern theology, philosophy of religion, and critical religious thought in the contemporary academy.

Note: Offered jointly with the Divinity School as 2675.

Prerequisite: Significant work in theology philosophy

[Religion 2545. Religion and Social Theory: Seminar]

Catalog Number: 2728

David Little (Divinity School)

Half course (spring term). Hours to be arranged.

Our focus is the writings of Max Weber together with the reactions of his critics and defenders. Relevance to topics such as “secularization,” “religious nationalism,” and “cultural relativism.”

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 2813.



[Religion 2550. Women and Religion in Contemporary America: Seminar]

Catalog Number: 8927

Ann D. Braude (Divinity School)

Half course (spring term). Hours to be arranged.

An historical examination of the engagement of religion with the changing roles of women religion in post-World War II US, with attention to feminism, anti-feminism and secularization.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 2328.

Graduate Courses of Reading and Research

***Religion 3505 (formerly *Religion 3505hf). Colloquium in American Religious History**

Catalog Number: 6445 Enrollment: Limited to 20.

Ann D. Braude (Divinity School) 2792

Half course (fall term; repeated spring term). Alternate Tu., 7:30–9:30 pm.

Presentation and discussion of the research of doctoral candidates in American religious history.

Note: Open, with instructor's permission, to doctoral students in other fields of religious studies or American studies. Offered jointly with the Divinity School as 2390.

Hinduism

For Undergraduates and Graduates

Religion 1600. Introduction to Hinduism

Catalog Number: 9700

Robert A. Orsi (Divinity School)

Half course (fall term). Tu., Th., 3–4:30. EXAM GROUP: 17, 18

This course provides a general introduction to the complex range of religious phenomenon conventionally referred to by the term "Hinduism." Drawing from the intellectual resources of history, literature, philosophy, ethnography, and film, topics will include Hinduism's "reflexive" relationship with Jainism and Buddhism, philosophical speculation in the *Upanisads*, literary representations of dharma in the *Mahabharata* and *Ramayana*, Hindu traditions of devotion, and the impact of modernity in the construction of Hinduism as a religion.

Note: Offered jointly with the Divinity School as 3411.

[Religion 1625. Indian Religions Through Their Narrative Literatures]

Catalog Number: 9890

Anne E. Monius (Divinity School)

Half course (spring term). Hours to be arranged.

An examination of the religious traditions and communities of South Asia through the stories they tell. Material covered varies, with genres ranging from epics to novels and folk stories.

Explores the many ways in which narrative literatures have remained enduring sites for theological, ethical, and political reflection in South Asia.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3405.

[Religion 1627. Hindu Ethics: Seminar]

Catalog Number: 9638 Enrollment: Limited to 15.



Anne E. Monius (Divinity School)

Half course (spring term). Hours to be arranged.

An intensive exploration of the place of ethics and moral reasoning in Hindu thought and practice. Materials to be examined will be drawn from a wide range of sources, from classical Sanskrit dharmashastra to epic narrative, devotional poetry, and modern ethnography, but emphasis will be placed throughout upon the particularity of different Hindu visions of the ideal human life.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 3923.

[Religion 1631. Hindu Traditions of Devotion]

Catalog Number: 9423

Anne E. Monius (Divinity School)

Half course (fall term). Hours to be arranged.

An examination of Hindu *bhakti* (devotional traditions), focusing on three specific geographic/cultural regions within the Indian subcontinent. Keeping in mind both continuities and differences in the *bhakti* traditions of these three distinct cultural areas, we explore a variety of devotional literatures in English translation and considers the enduring significance and use of that deeply emotional poetry in the lives of Hindus today.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 3406.

[Religion 1635. Reading Pre-Modern Hindu Narrative Literature: Seminar]

Catalog Number: 0073

Anne E. Monius (Divinity School)

Half course (fall term). Hours to be arranged.

Focusing on the genres of *itihasa*, *purana*, and *katha*, this seminar explores the relevance of both classical Indic and contemporary Euro-American literary theories for the understanding of pre-modern South Asian narrative.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3926.

Prerequisite: Although all primary source readings will be in English translation, previous study of South Asian religions is required.

Religion 1645. Sacred Space and Pilgrimage in India: Seminar - (New Course)

Catalog Number: 6483

Diana L. Eck

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

This seminar will consider the structure of sacred space and sacred landscape in India; Hindu places of pilgrimage -rivers, mountains, regional and all-India shrines; places of shared pilgrimage -Hindu, Sikh, Muslim, Christian; and ethnographies of regional pilgrimage traditions.

Note: Offered jointly with the Divinity School as 3852.

[Religion 1650. Modern Hindu Movements: Seminar]

Catalog Number: 5120 Enrollment: Limited to 15.

Diana L. Eck

Half course (spring term). Hours to be arranged.

Readings in 19th and 20th century Hindu movements, investigating the many kinds of teachers, writings, and movements that have come to comprise modern "Hinduism." Consideration of such



thinkers, teachers, and activists as Dayananda, Vivekananda, Gandhi, Sarvarkar, and Radhakrishnan and such groups as the Arya Samaj, Gandhian movements, Swadhyaya, the R.S.S., the Vishva Hindu Parishad. A consideration of post-colonial perspectives on the emergence of modern Hinduism.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3877.

Cross-listed Courses

[Foreign Cultures 12. Sources of Indian Civilization]

[Indian Studies 206. Old Indian and Eurasian Creation Myths: Seminar]

[Literature and Arts C-18. Hindu Myth, Image, and Pilgrimage](#)

Buddhism

For Undergraduates and Graduates

[Religion 1700. Introduction to Buddhism, in Theory and Practice]

Catalog Number: 3486

Janet Gyatso (Divinity School)

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A study of the main ideas, practices, and classic texts of Buddhist tradition. The class will consider some of the principal religious, social, and philosophical questions in Buddhist history, as well as the hermeneutics of its modern academic study. It will survey early Buddhism and developments in Theravada, Mahayana, and Tantric Buddhism across Asia. These developments exemplify distinctive Buddhist modes of personal cultivation, community life, and literary practice.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3558.

[Religion 1703. Theravada Buddhist Traditions] - (New Course)

Catalog Number: 6151

Donald K. Swearer (Divinity School)

Half course (fall term). Tu., Th., at 9, and an hour to be arranged. EXAM GROUP: 11

The Theravāda Buddhist traditions of South and Southeast Asia are often contrasted with Mahāyāna and Tantrayāna expressions of Buddhism in Central and East Asia as doctrinally and ritually narrow and conservative. This course contests this characterization by uncovering the richness and diversity of Theravāda thought and practice against the historical and contemporary backdrop of Sri Lanka and mainland Southeast Asia.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3573.

[Religion 1705. Buddhism in Tibet]

Catalog Number: 7192

Janet Gyatso (Divinity School)

Half course (spring term). Hours to be arranged.

Distinctive traditions of Tibetan Buddhism in their historical contexts. Topics include: practices and theories on the ethics of compassion, visionary meditations; tantric yoga and physiologies; medical traditions; death and reincarnation practices; magic and state rituals; the creation of



sacred landscape; religious authority and discipline; and cultures of writing, learning and painting. Throughout the course we will consider the relation of these religious practices to the historical development of Tibetan cultures, Buddhist institutions, and state formations.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 3563.

[Religion 1706. South Asian Buddhism: Dharmas, Emptiness, and Idealism]

Catalog Number: 9464

Parimal G. Patil

Half course (fall term). Hours to be arranged.

A very close and contextual reading (in translation) of Buddhist “doctrinal” and “philosophical” texts. We will select chapters from Vasubandhu’s *Treasury of Metaphysics*, Nagarjuna’s *Basis of the Middle Way*, and Vasubandhu’s *Twenty Verses*. Attempt to understand these texts on their own terms and in their South Asian contexts, while also inquiring into their significance for the study of Buddhism and religion in South Asia.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3536.

[Religion 1708. Issues in Buddhist Philosophy: Seminar]

Catalog Number: 8754 Enrollment: Limited to 20.

Janet Gyatso (Divinity School)

Half course (fall term). Hours to be arranged.

What is reality? How do we know? How do we exist? Readings in translation of Madhyamika, Yogacara, and theories of mind, language, and perception, along with comparable work in European continental philosophy. We also read two later Asian appropriations of Indian Buddhist philosophy: a Tibetan theory of memory; and a modern Japanese philosophy of the body, which draws together Buddhist meditation theory and western phenomenology.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 3562.

Prerequisite: Some knowledge of Buddhist traditions is preferable.

[Religion 1710. Buddhist Ethics]

Catalog Number: 8878

Janet Gyatso (Divinity School)

Half course (fall term). Hours to be arranged.

An exploration of selected classic doctrinal texts and contemporary Buddhist literary and autobiographical writings. In each instance the task will be to discern the bases of key ethical principles, with particular attention to the definition of the self, the grounds for human relationships, and the question of why one cares for another. Some works of western philosophical ethics will also be read in order to consider the relevance of the Buddhist material for contemporary ethical issues.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 3568.

[Religion 1715. Buddhism, Ecology, and the Sacred Mountain Traditions of Asia: Seminar - \(New Course\)](#)

Catalog Number: 8856

Donald K. Swearer (Divinity School)

Half course (spring term). Hours to be arranged.

The seminar will first examine the growing body of literature in the field of Buddhism and



ecology: attempts to construct an environmental ethic from the Buddhist worldview, and critical responses to what has been termed, “eco-Buddhism”. Subsequently it will focus on a feature of the natural environment that has figured prominently in the Asian Buddhist imagination, namely, sacred mountains, the relationship between nature and the lived environment, and the natural environment as both contested and threatened space.

Note: Offered jointly with the Divinity School as 3574.

Religion 1725. Buddhism and Social Change: Seminar

Catalog Number: 4517 Enrollment: Limited to 15.

Christopher S. Queen

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

This survey of Buddhist social teachings examines the evolution of central concepts (impermanence, selflessness, suffering), ethical styles (discipline, virtue, altruism, engagement), and themes (peace, justice, gender, ecology) in Asia and the West. We consider representative figures and movements in the rise of socially engaged Buddhism since the 19th century.

Note: Offered jointly with the Divinity School as 3853.

Prerequisite: Previous study of Buddhism.

[Religion 1726. Buddhism in America: Seminar]

Catalog Number: 4292 Enrollment: Limited to 15.

Christopher S. Queen

Half course (fall term). Hours to be arranged.

The transmission of Buddhist teachings and institutions to the West. A survey of Buddhist thinkers and movements since the 19th century, with primary attention to America: immigrant Buddhist communities, Transcendentalists and Theosophists, Pragmatist and Process philosophers, the “beat” generation, and recent Zen, Tibetan, and Theravada developments.

Topics for discussion and research include tradition and transformation, socially engaged Buddhism and environmentalism, feminism, peace activism, and the dialogue with other faiths.

Note: Expected to be given in 2007–08. Separate requirements for undergraduate and graduate students. Offered jointly with the Divinity School as 3851.

Prerequisite: Knowledge of Asian Buddhism.

Religion 1730. Buddhist Women and Representations of the Female

Catalog Number: 4463

Janet Gyatso (Divinity School)

Half course (spring term). W., 4–6. EXAM GROUP: 9

This course explores two interrelated subjects: 1) Buddhist practices and conceptions relating to sex and gender; 2) The lives and subjectivities of historical Buddhist women, focusing upon autobiographical writings by Buddhist women, both lay and celibate, and modern and postmodern. The course material will be studied in conjunction with the writings of Western feminists such as Judith Butler and Joan Scott.

Note: Offered jointly with the Divinity School as 3559.

[Religion 1750. Philosophy of Religion: Religious Epistemology]

Catalog Number: 9826

Parimal G. Patil



Half course (spring term). Hours to be arranged.

Philosophers belonging to nearly every religious tradition have offered arguments in support of their traditions' most basic doctrines. We consider, in detail, some of the epistemological frameworks within which these arguments have been (and continue to be) offered. Specifically, we discuss: (1) Reformed Epistemology; (2) Virtue Epistemology; (3) The Epistemology of Religious Experience; (4) Proper Function; and (5) Buddhist, Hindu, and Jaina Epistemologies.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3535.

Primarily for Graduates

[Religion 2710r. Buddhist Studies: Seminar]

Catalog Number: 1608

Janet Gyatso (Divinity School)

Half course (spring term). Hours to be arranged.

This is an advanced seminar for multidisciplinary Buddhist Studies. The topic of the seminar changes from year to year. Recent topics have included Buddhist monasticism, Buddhist tantra, and the state of the field of Buddhist Studies.

Note: Expected to be given in 2008–09. It may be taken for credit more than once. Offered jointly with the Divinity School as 3888.

Prerequisite: Knowledge of at least one classical Asian language.

Religion 2760. Buddhism and Its Critics - (New Course)

Catalog Number: 7232

Parimal G. Patil

Half course (fall term). Tu., 5–7 p.m. EXAM GROUP: 18

Focuses on the Buddhist theory of momentariness. After discussing its intellectual history in India, we will read, in translation, a Buddhist "proof" of the theory, and discuss a number of non-Buddhist criticisms of it.

Note: Offered jointly with the Divinity School as 3867.

Religion 2765. Re-envisioning the Philosophy of Religions - (New Course)

Catalog Number: 7054

Parimal G. Patil

Half course (spring term). Th., 5–7 p.m. EXAM GROUP: 18

For too long the philosophy of religions has been defined by primarily Christian texts and philosophical/theological concerns. This course resists this history by asking what the philosophy of religions would look like if we began in India. Our goal this semester will be to bring new questions, concerns, and philosophical resources to the field by paying careful attention to the work of selected Buddhist, Hindu, and Jain philosophers and religious intellectuals.

Cross-Listed Courses

East Asian Buddhist Studies 114. The Mahâyâna in East Asia: Bodhisattvas and Their Cults in Medieval and Early Modern East Asian Buddhism

East Asian Buddhist Studies 115. Buddhist Meditation Traditions

[East Asian Buddhist Studies 116a. Buddhism in China: I-VII Century]



[East Asian Buddhist Studies 116b. Buddhism in China: VIII-XVI Century]
[East Asian Buddhist Studies 210r. Topics in East Asian Buddhism](#)

Islam

For Undergraduates and Graduates

[Religion 1802 \(formerly Religion 1555\). Introduction to Islamic Mysticism: The Sufi Tradition](#)

Catalog Number: 3830

Ali S. Asani

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Introductory survey of Sufism, focusing on its fundamental concepts, ritual practices, institutions, and its impact on literary and sociopolitical life in different regions of the Islamic world.

Note: Offered jointly with the Divinity School as 3620.

Prerequisite: An introductory course in Islam or equivalent helpful but not essential.

[Religion 1806. The Vocabulary of Islam - \(New Course\)](#)

Catalog Number: 1701

M. Shahab Ahmed

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

Provides students with knowledge of a broad range of key concepts, technical terms, seminal questions, and cultural motifs internal to the Islamic tradition. These constitute a vocabulary related to Quran and exegesis, Hadith, law, theology, political thought, philosophy, Sufism, ritual, literature, art, and architecture, that has permeated Islamic discourses, practices, and identities down to the modern period, and that is central to an informed understanding and further study of Islam as religion and civilizational complex.

Note: Offered jointly with the Divinity School as 3978. Not open to auditors.

[Religion 1810. Representations of the Prophet Muhammad through History: Seminar]

Catalog Number: 0074

M. Shahab Ahmed

Half course (spring term). Hours to be arranged.

An introduction to the different ways in which Muhammad and his prophethood have been remembered, constructed, understood, and represented in Islamic and non-Islamic discourses from the earliest period of Islam to the present day, including: Muhammad in the Quran and exegesis, in Hadith, in epic biography, in theology, in philosophy, in Sufism, in devotional and popular literatures, in medieval and early modern Europe, in modern Orientalism, in modern Muslim discourses, in theatre, film, fiction, and in art.

Note: Expected to be given in 2008–09. Not open to auditors. Offered jointly with the Divinity School as 3972.

Prerequisite: At least one previous course on Islam.

[Religion 1815. Mosques in Muslim History]

Catalog Number: 3325



Baber Johansen (Divinity School)

Half course (fall term). Hours to be arranged.

The course will provide an introduction into the Koranic foundation of basic aspects of the Muslim culture. It will treat the multi-dimensional functions that different types of mosques have performed for urban and rural communities over the centuries. It will discuss the changes in these functions in different regions and historical periods and will, in the last two sessions, be dedicated to the situation of mosques in the European and American diaspora.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3610.

[*Religion 1820 (formerly *Religion 1585). Islam in South Asia: Religion, Culture, and Identity in South Asian Muslim Societies]

Catalog Number: 2741 Enrollment: Limited to 20.

Ali S. Asani

Half course (spring term). Hours to be arranged.

A survey of Islamic civilization in the Indian subcontinent focusing on an exploration of Islamic identity. Issues and themes salient to Islamic identity considered within religious and political contexts, as well as the broader context of South Asian culture as expressed in language, literature, and the arts. Also examines the uses of the term “Islamic” in various pre-modern and modern discourses in South Asia.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3625.

Prerequisite: Introductory course in Islam or equivalent.

Religion 1825 (formerly Religion 1590). Issues in Feminism and Islam: A Historical Overview

Catalog Number: 9891

Leila N. Ahmed (Divinity School)

Half course (fall term). F., 12–3. EXAM GROUP: 5, 6, 7

We explore some of the major issues and debates in relation to feminism and women in Islam in historical overview from a post-colonial perspective. Thus, as we explore these issues and debates, we will also be examining the methods, tools and assumptions forming the grounds of our studies, including in particular issues of Orientalism, colonialism and feminism in the construction of the religions/cultures of Others. Subsequent topics include an examination of some contemporary feminist readings of early Islam and exploration of women in Sufism and lived religion.

Note: Offered jointly with the Divinity School as 3604.

Religion 1826. Explorations in the Colonial and Post-Colonial History of the Veil: Seminar - (New Course)

Catalog Number: 0779

Leila N. Ahmed (Divinity School)

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Note: Offered jointly with the Divinity School as 3897.

[Religion 1827. Themes in Islam in America]

Catalog Number: 0618

Leila N. Ahmed (Divinity School)



Half course (fall term). Hours to be arranged.

This course will explore themes in contemporary American Islam, in particular, issues of gender, and of Progressive Islam. It will include guest speakers.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3606.

[Religion 1840. Writing Lives: Readings in Contemporary Muslim and Arab Autobiography: Seminar]

Catalog Number: 5833

Leila N. Ahmed (Divinity School)

Half course (fall term). Hours to be arranged.

An exploratory seminar in contemporary autobiographical writings by Arabs and Muslims, reflecting on themes of religiousness and secularism, among others. We will read the following texts: Edward Said's *Out of Place*, Sara Suleri's *Meatless Days*, and Fatima Mernissi's *Dreams of Trespass*.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3913.

[Religion 1841. Progressive Islam: Seminar] - (New Course)

Catalog Number: 7771

Leila N. Ahmed (Divinity School)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3878.

Religion 1842. Religion, Gender, Identity: Readings in Arab and Muslim Autobiography: Seminar - (New Course)

Catalog Number: 4518

Leila N. Ahmed (Divinity School)

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

We will read autobiographical works mainly by contemporary Arab and/or Muslim writers, paying particular attention to issues of identity, religion, and gender, and exploring how these are at play in the text and in authorial constructions of self.

Note: Offered jointly with the Divinity School as 3616.

[Religion 1850. The Protocol of the Gaze: Seminar]

Catalog Number: 3353

Baber Johansen (Divinity School)

Half course (fall term). Hours to be arranged.

The seminar will examine the links between the rules of the gaze on the one hand, gender and social hierarchy on the other. It will investigate the construction of public and private spheres and its influence on the way of looking at others. It will follow these debates from the ninth to the twelfth century. The first of two seminars that will trace the development of the protocol of the gaze until the present.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3932.

Religion 1890. Islam, Secularism and Human Rights: From Egypt to North America: Conference Course - (New Course)

Catalog Number: 8103 Enrollment: Limited to 15.



Jocelyne Cesari (Divinity School)

Half course (fall term). Tu., 3–5. EXAM GROUP: 17, 18

This course will examine major approaches to Human Rights and Secularism that have emerged in the Muslim world, beginning with the 19th century. It will analyze the key historical and cultural moments that have shaped these approaches, from colonialism to 9/11. It will analyze the Muslim presence in America and Europe as a turning point in the encounter between secularism and Islam.

Cross-listed Courses

[Humanities 18 (formerly Religion 1801). For the Love of God and His Prophet: Religion, Literature, and the Arts in Muslim Cultures]

Primarily for Graduates

[Religion 2840. Ibn Taymiyyah and His Times: Seminar]

Catalog Number: 0075 Enrollment: Limited to 12.

M. Shahab Ahmed

Half course (fall term). Hours to be arranged.

An engagement with the pre-modern Islamic intellectual tradition, and its relationship to modern Islam, through the life, thought, and legacy of Ibn Taymiyyah (1263–1328 CE), who is said to have “dominated the history of Islam in the twentieth century.”

Note: Expected to be given in 2008–09. Not open to auditors. Offered jointly with the Divinity School as 3973.

Prerequisite: Advanced proficiency in Arabic.

[Religion 2841. Orthodoxy: Religion, Truth, and Authority: Seminar - \(New Course\)](#)

Catalog Number: 5529

M. Shahab Ahmed

Half course (fall term). W., 2–5. EXAM GROUP: 7, 8, 9

Orthodoxy is defined as “truth or sound belief according to an authoritative norm”

(*Encyclopaedia of Religion*). Focuses comparative examination of the historical, social, institutional, and discursive constitution of orthodoxy in Buddhism, Christianity, Confucianism, Islam, and Judaism.

Note: Offered jointly with the Divinity School as 3979. Open to advanced undergraduates. Not open to auditors.

Cross-listed Courses

[Arabic 230a. Hadith I: Seminar]

[Arabic 230b. Hadith II: Seminar]

[Arabic 231a. Qur’an I: Seminar](#)

[Arabic 231b. Qur’an II: Seminar](#)

[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies](#)

[*Islamic Civilizations 241r. Approaches to Studying Indo-Muslim Culture and South Asian](#)



Islam

Near Eastern Civilizations 200a. Approaches to Middle Eastern Studies: Proseminar

Chinese and Japanese Religions

Cross-listed Courses

Chinese History 251. Confucian Ethics: Conference Course

East Asian Studies 140. Major Religious Texts of East Asia

Historical Study A-13. China: Traditions and Transformations

Historical Study A-14. Japan: Tradition and Transformation

[History of Art and Architecture 282y. The Visual Culture of Relics in East Asia]

Japanese History 115. Religion and Society in Edo and Meiji Japan

Japanese History 120. Religion and Society in Twentieth-Century Japan

Japanese History 125. Japanese Religious Traditions: Spirituality and Popular Culture

Japanese History 126. Shinto: Conference Course

Graduate Courses of Reading and Research

***Religion 3000. Direction of Doctoral Dissertations**

Catalog Number: 1933

Ryuichi Abe 4974 (spring term only), Ali S. Asani 7739, Wallace D. Best (Divinity School) 5092, François Bovon (Divinity School) 3551, Sarah Coakley (Divinity School) 1873, Harvey G. Cox, Jr. (Divinity School) 3479, Arthur J. Dyck (Public Health, Divinity School) 1670, Diana L. Eck 4514, Francis Fiorenza (Divinity School) 2735, Marla F. Frederick 4728, Robert M. Gimello (University of Arizona) 9240, William A. Graham, Jr. 4156, Janet Gyatso (Divinity School) 4243 (on leave 2007-08), David D. Hall (Divinity School) 2510, Helen Hardacre 3191, Jay M. Harris 2266, Christine M. Helmer (Divinity School) 4836, Albert Henrichs 4085, Evelyn Brooks Higginbotham 3517, William R. Hutchison (Divinity School) 4061, Karen L. King (Divinity School) 4217, Arthur Kleinman 7473, James T. Kloppenberg 3157 (on leave 2006-07), Helmut H. Koester (Divinity School) 3477, Smita Lahiri 4465, David Lamberth (Divinity School) 3714, Jon D. Levenson (Divinity School) 2264, Peter Machinist 2812, Everett I. Mendelsohn 2700, David G. Mitten 1290, Anne E. Monius (Divinity School) 4489, Roy Mottahedeh 1454, Laura S. Nasrallah 4834, Robert A. Orsi (Divinity School) 4242, Parimal G. Patil 4478, Elisabeth Schüssler Fiorenza (Divinity School) 3193, P. Oktor Skjaervo 2869, Ronald Thiemann (Divinity School) 3395, Wei-Ming Tu 7233, and Leonard W. J. van der Kuijp 1556

Note: May also be taken with other instructors, when authorized by the Chair.

***Religion 3001. Reading and Research**

Catalog Number: 7954

Ryuichi Abe 4974, Ali S. Asani 7739, Wallace D. Best (Divinity School) 5092, François Bovon (Divinity School) 3551, David L. Carrasco (FAS, Divinity School) 4213, Harvey G. Cox, Jr. (Divinity School) 3479, Arthur J. Dyck (Public Health, Divinity School) 1670, Diana L. Eck 4514, Francis Fiorenza (Divinity School) 2735, Marla F. Frederick 4728, Robert M. Gimello (University of Arizona) 9240, William A. Graham, Jr. 4156, Janet Gyatso (Divinity School) 4243 (on leave 2007-08), David D. Hall (Divinity School) 2510, Helen Hardacre 3191, Jay M. Harris



2266, *Christine M. Helmer (Divinity School)* 4836, *Evelyn Brooks Higginbotham* 3517, *William R. Hutchison (Divinity School)* 4061, *Beverly M. Kienzle (Divinity School)* 2452, *Karen L. King (Divinity School)* 4217, *Arthur Kleinman* 7473, *James T. Kloppenberg* 3157 (*on leave 2006-07*), *Helmut H. Koester (Divinity School)* 3477, *Smita Lahiri* 4465, *David Lamberth (Divinity School)* 3714, *Jon D. Levenson (Divinity School)* 2264, *David Little (Divinity School)* 2793, *Peter Machinist* 2812, *Kevin J. Madigan (Divinity School)* 4287, *Everett I. Mendelsohn* 2700, *David G. Mitten* 1290, *Anne E. Monius (Divinity School)* 4489, *Roy Mottahedeh* 1454, *Laura S. Nasrallah* 4834, *Robert A. Orsi (Divinity School)* 4242, *Parimal G. Patil* 4478, *Kimberley C. Patton (Divinity School)* 3306, *Stephanie A. Paulsell (Divinity School)* 5382 (*spring term only*), *Elisabeth Schüssler Fiorenza (Divinity School)* 3193, *Ronald Thiemann (Divinity School)* 3395, *Wei-Ming Tu* 7233, and *Leonard W. J. van der Kuijp* 1556

Note: May also be taken with other instructors, when authorized by the Chair.

***Religion 3002. Foreign Language Certification**

Catalog Number: 4791

Members of the Committee

Reading and research conducted in a specific foreign language, normally French or German, to satisfy the modern language reading proficiency requirement for PhD students in the Study of Religion.

Note: Limited to PhD candidates who receive written permission from the Committee's Director of PhD Studies.

Romance Languages and Literatures

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Romance Languages and Literatures

Luis Fernández-Cifuentes, Robert S. and Ilse Friend Professor of Romance Languages and Literatures, Acting Department Chair of Romance Languages and Literatures (*Acting Chair*)

José Ignacio Álvarez-Fernández, Preceptor in Romance Languages and Literatures

Janet Beizer, Professor of Romance Languages and Literatures

Carole Bergin, Preceptor in Romance Languages and Literatures

Galen Brokaw, Visiting Assistant Professor of Romance Languages and Literatures (*State University of New York, Buffalo*)

Marie-France Bunting, Senior Preceptor in Romance Languages and Literatures (*Undergraduate Adviser in French*)

Kimberlee Campbell, Professor of the Practice of Romance Languages and Literatures (*Director of Language Programs in Romance Languages and Literatures*) (*on leave spring term*)

Luis E. Cárcamo-Huechante, Associate Professor of Romance Languages and Literatures



(Undergraduate Adviser in Latin American Studies)

Joaquim-Francisco Coelho, Nancy Clark Smith Professor of the Language and Literature of Portugal and Professor of Comparative Literature (*Director of Graduate Studies in Portuguese*)
(on leave spring term)

Tom Conley, Abbott Lawrence Lowell Professor of Romance Languages and Literatures
(Director of Graduate Studies in French)

Verena A. Conley, Visiting Professor of Comparative Literature and of Romance Languages and Literatures *(on leave spring term)*

Elvira G. DiFabio, Senior Preceptor in Romance Languages and Literatures (*Associate Director of Undergraduate Studies and Undergraduate Adviser in Italian*)

Alexia E. Duc, Assistant Professor of Romance Languages and Literatures

Bradley S. Epps, Professor of Romance Languages and Literatures and of Studies of Women, Gender, and Sexuality

Francesco Erspamer, Professor of Romance Languages and Literatures *(on leave spring term)*

Chiara Frenquellucci, Preceptor in Romance Languages and Literatures

Paola Gambarota, Laura De Bosis Visiting Scholar in Romance Languages and Literatures, Lauro de Bosis Visiting Assistant Professor in Romance Languages and Literatures (*University of Connecticut*) *(spring term only)*

Mary M. Gaylord, Sosland Family Professor of Romance Languages and Literatures

Luis M. Girón Negrón, Professor of Romance Languages and Literatures and of Comparative Literature (*Director of Graduate Studies in Spanish*)

Virginie Greene, Professor of Romance Languages and Literatures (*Undergraduate Adviser in Romance Studies and Director of Undergraduate Studies*)

Ernesto E. Guerra, Preceptor in Romance Languages and Literatures

Adriana Gutiérrez, Preceptor in Romance Languages and Literatures

Marian Hobson, Visiting Professor of Romance Languages and Literatures (*Queen Mary College, University of London*) *(spring term only)*

Nina C. de W. Ingrao, Senior Preceptor in Romance Languages and Literatures

Francis Abiola Irele, Visiting Professor of African and African American Studies and of Romance Languages and Literatures

Alice Jardine, Professor of Romance Languages and Literatures and of Studies of Women, Gender, and Sexuality *(on leave spring term)*

Clémence Jouët-Pastré, Senior Preceptor in Romance Languages and Literatures (*Undergraduate Adviser in Portuguese*)

Johanna Damgaard Liander, Senior Preceptor in Romance Languages and Literatures
(Undergraduate Adviser in Spanish)

Ernesto Livón-Grosman, Visiting Associate Professor of Romance Languages and Literatures
(Boston College) *(fall term only)*

D. Bradford Marshall, Preceptor in Romance Languages and Literatures

Christie McDonald, Smith Professor of French Language and Literature *(on leave 2006-07)*

Giuliana Minghelli, Lecturer on Romance Languages and Literatures

Marlies Mueller, Senior Preceptor in Romance Languages and Literatures

Lino Pertile, Harvard College Professor and Carl A. Pescosolido Professor of Romance Languages and Literatures (*Director of Graduate Studies in Italian*)

Mylène Priam, Assistant Professor of Romance Languages and Literatures

Nicolau Sevcenko, Visiting Professor of Romance Languages and Literatures (*Universidade de*



São Paulo) (spring term only)

Mariano Siskind, Assistant Professor of Romance Languages and Literatures

Doris Sommer, Ira Jewell Williams, Jr., Professor of Romance Languages and Literatures (*on leave 2006-07*)

Diana Sorensen, James F. Rothenberg Professor of Romance Languages and Literatures and of Comparative Literature, Dean for the Humanities

Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature

Other Faculty Offering Instruction in the Department of Romance Languages and Literatures

Franco Fido, Carl A. Pescosolido Professor of Romance Languages and Literatures, Emeritus
Stanley Hoffmann, Paul and Catherine Buittenwieser University Professor

Francisco Márquez Villanueva, Arthur Kingsley Porter Professor of Romance Languages and Literatures, Emeritus

Romance Languages and Literatures offers courses in Catalan, French, Italian, Portuguese, and Spanish, as well as in Latin American Studies, and Romance Studies. Courses appear below under these headings. Letters A-D and numbers 20-99 indicate courses designed primarily for undergraduates. Courses numbered 100-199 are open to both undergraduates and graduate students. 200-level courses are intended primarily for graduate students and, exceptionally, to advanced undergraduates.

Course groupings reflect both progression in level of language study and diversity of thematic focus. GROUP I: Courses focused on language acquisition. Courses A-D offer beginning and early intermediate instruction in language. Courses 20-59 give special attention to the development of language skills in a variety of literary and cultural contexts. GROUP II: Courses designed to introduce students to systematic study of literature and culture. Courses 60-69 combine language study and engagement with living language communities in the Boston Area. Courses 70-79 introduce major works and currents of literary history as preparation for 100-level literature courses. Courses 80-99 include specialized undergraduate seminars, tutorials, and independent study. N.B. Courses numbered 40-97 require approximately the same level of language proficiency. GROUP III: Advanced courses in literature and culture. Numbers 100-199 reflect period, regional, and thematic groupings. All courses in this group assume the same degree of language proficiency. GROUP IV: 200-299 Graduate courses, chiefly seminars.

Additionally, department faculty offer courses (some of which are cross-listed below) in the Department of Comparative Literature, in the Core, Freshman Seminar, Literature and the Women, Gender, and Sexuality Studies Program. For further offerings in general and comparative Romance literature, see listings of the Departments of Comparative Literature.

Students interested in earning a foreign language citation in a Romance language should read carefully the sections on French, Italian, Portuguese, and Spanish in the description of "Citations in Foreign Language" in the Academic Performance section of the FAS Student Handbook. In general, language courses Ca and above can count toward a citation if they are taken in sequence and if they meet the criteria set forth in the Student Handbook. Literature courses taught in the



target language usually offer citation credit, but students should consult course descriptions in the online catalog for exact information.

No language courses may be taken pass/fail. Graduate students in the Faculty of Arts and Sciences may take language courses (numbered A-54) for a grade of Sat/Unsat, with permission of the course head. All Romance language courses, 100-level and above, may be taken Pass/Fail without course head's signature unless otherwise noted. Undergraduates are free to enroll in 200-level graduate courses without course head's signature unless otherwise noted. No auditors are allowed in lettered language courses or in courses numbered 20 to 59. No one may enter A level courses after the eighth meeting of the class, Bab or Dab classes after the first meeting, or C or 20 level courses after the sixth meeting.

Catalan

Primarily for Undergraduates

Catalan Ba. Introduction to Catalan

Catalog Number: 2153

Bradley S. Epps and staff

Half course (fall term). Tu., Th., 2–4. EXAM GROUP: 16, 17

An introductory course in spoken and written Catalan, the language of approximately ten million people in Spain, France, Italy, and Andorra, and the most widely used of minoritized languages in Europe today. Antonio Gaudí, Salvador Dalí, Joan Miró, Antoni Tàpies, Mercè Rodoreda, and Pau Casals were native Catalan speakers. Emphasizing oral communication, reading, and writing, offers students contact with contemporary Catalan culture.

Note: Conducted in Catalan. Knowledge of another Romance language is useful but not essential. May be taken Pass/Fail by undergraduates or Sat/Unsat by GSAS students.

Catalan 20. Catalan Language and Culture: a Multimedia Approach - (New Course)

Catalog Number: 2559

Bradley S. Epps and staff

Half course (spring term). M., W., at 1, F., at 4:30. EXAM GROUP: 6, 9

Intermediate course introducing students to Catalan culture and boosting their oral and writing skills through a wide range of resources: Internet, television, radio, cinema, and music. Activities include in-class and on-line discussion, role-playing, audio and video recordings, and more.

Note: Conducted in Catalan. May be taken Pass/Fail by undergraduates or Sat/Unsat by GSAS students.

Prerequisite: Catalan Ba, basic knowledge of Catalan, or permission of course head.

***Catalan 91r. Supervised Reading and Research**

Catalog Number: 2578

Bradley S. Epps and staff

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial supervision of research on subjects not treated in regular courses. May be used for further language study after Catalan Ax or Ba.



French

All students with some previous French in secondary school are required to take the placement test if they have not taken the SAT II, AP, or IB examinations in French. The term “placement score” or “placement test” hereafter refers to the French placement test given during Freshman Week for freshmen, and usually on the day preceding Registration Day for returning students.

Students who receive a grade of 5 in the College Board Advanced Placement Examinations in French Literature or Language are admitted directly into French courses numbered in the 40s and 50s, or 70a and 70b, with permission of course head, and also into 100-level courses of French literature. For details of Advanced Placement see the pamphlet *Advanced Standing at Harvard College* or contact the Director of the Program of Advanced Standing.

Primarily for Undergraduates

French A. Beginning French

Catalog Number: 3373

Marlies Mueller and staff

Full course (indivisible). Five meetings a week. Sections M. through F., at 9, 10, 11, 12, and 1.

EXAM GROUP: 10

Complete basic course offering equal emphasis on speaking, listening, reading and writing as well as conveying a taste for the French *savoir-vivre*. Latest technology allows for surround-sound training by native speakers in dorm rooms. By year’s end, students will be able to carry on conversations in simple, correct French, and will have been introduced to French culture by such landmark authors as Victor Hugo and Sartre and state-of-the-art movies like *Amélie*.

Note: French A fulfills the language requirement. Open to students with placement scores up to 499 or permission of course head. May not be taken Pass/Fail. Graduate students at GSAS may take the course Sat/Unsat with permission of course head. Section on-line on the French A website.

French Ax. Reading Modern French

Catalog Number: 2763

D. Bradford Marshall and staff

Half course (fall term; repeated spring term). Fall: Section I: Tu., Th., 10–11:30; Section II: Tu., Th., 11:30–1.; Spring: Tu., Th., 10–11:30. EXAM GROUP: 12, 13, 14

An introduction to reading and translating modern French texts for students who require only a basic knowledge of French for research purposes. French Ax presents the principle structures of French grammar in a systematic and coherent manner and, at the same time, makes reading and translation assignments as discipline-specific as possible for each student’s needs.

Note: Conducted in English. Not open to students with a score of 500 or above on the Harvard Placement Test or the SAT II French test, to those with more than one year of undergraduate French, or to auditors. May not be used to fulfill the language requirement and may not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. See details and section on-line on the French Ax website.



Prerequisite: Some previous study of a Romance language helpful but not necessary. Fluency in English required.

***French Bab. Intensive Beginning French: Special Course**

Catalog Number: 8780 Enrollment: Limited to 15 students per section.

Marlies Mueller and staff

Full course (spring term). Section I: M. through F., at 10 and Tu., Th., at 11. Section II: M., W., F., at 12 and Tu., Th., 1–3. EXAM GROUP: 3, 5, 12

A complete first-year course for non-requirement students. Provides a solid foundation in French for those with absolutely no prior knowledge of the language. Speaking, listening, reading, and writing are all emphasized, with class time devoted to oral expression. After French Bab, students should be able to engage in everyday conversation with native speakers, and read straightforward texts, both fiction and non-fiction, with relative ease.

Note: May not be used to fulfill the language requirement and may not be taken Pass/Fail or Sat/Unsat. Interested students should fill out the on-line request form on the French Bab website by the beginning of the fall term examination period.

Prerequisite: An advanced knowledge of at least one foreign language but no previous study of French.

French Ca. Intermediate French I

Catalog Number: 1810

Carole Bergin and staff

Half course (fall term). M. through Th., sections at 9, 10, 11, 12, or 1. EXAM GROUP: 10

A beginning intermediate course emphasizing listening, speaking, reading, and writing, and including a study of grammar. Students become familiar with contemporary France through videotapes, feature length films, and multimedia and are introduced to French literature through a variety of texts.

Note: Conducted in French. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Section on-line on the French Ca website.

Prerequisite: 500-599 on the SAT II test or the Harvard Placement Test; 3 years of French in high school; French A; or permission of course head.

French Cb. Intermediate French II: La Francophonie

Catalog Number: 6343

Carole Bergin and staff

Half course (spring term). Three weekly meetings: Sections M., W., F., at 10, 11, 12, or 1.

In French Cb, students continue the study of grammar begun in French Ca. and further develop their communicative skills. Students are introduced to the concept of “*la francophonie*” as represented in literature and films from Quebec, the Caribbean, and Africa.

Note: Conducted in French. May not be audited or taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Section on-line on the French Cb website.

Prerequisite: 550-599 on the SAT II test or the Harvard Placement test; French Ca; or permission of course head.

French 25. Comprehensive Intermediate French III: L’Etre humain et son univers

Catalog Number: 8781



Marlies Mueller and staff

Half course (fall term; repeated spring term). Sections M., W., F., at 10, 12, or 1. EXAM GROUP: 3, 5, 6

Introduction to French literature and cinema combined with a comprehensive review of French grammar and intensive vocabulary building. Authors and filmmakers, whose reflections on enduring questions of human experience and the meaning of life are compared and contrasted, include Baudelaire, Camus, Kieslowski, Pagnol, Rimbaud, and Sartre. By the end of the term, students should be able to understand lectures in French and express their thoughts orally and in writing with confidence using correct French.

Note: Conducted in French. A grade of A- in French A or French Bab, a B in French Ca with language requirement completed, a B in French Cb; or 600 on the SAT II test or the Harvard Placement test; or permission of course head. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. See details and section on-line on the French 25 website.

French 27. Oral Expression I: Le Français parlé

Catalog Number: 3060

D. Bradford Marshall and staff

Half course (fall term; repeated spring term). Fall: M. through F., at 9 or 12. Spring: M. through F. at 9. EXAM GROUP: 2, 11

Emphasizing speech strategies, useful vocabulary, idiomatic expressions, and listening comprehension, this course helps students develop oral fluency while learning about contemporary France and Francophone countries. Films, music, news media, and Internet resources offer virtual linguistic and cultural immersion, and provide material for in-class discussions and special activities. After a term of French 27, students should feel comfortable speaking French and have confidence to handle any situation commonly encountered in a French-speaking environment.

Note: Conducted in French. May not be used to fulfill the language requirement. May not be audited or taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. See details and section on-line on the French 27 website.

Prerequisite: A grade of A- or better in French A or Bab, or B in French Ca with language requirement completed; or B in French Cb; or 600-659 on the SAT II test or the Harvard Placement test; or permission of course head.

French 31. Oral Expression II: La France à travers les médias

Catalog Number: 0490

D. Bradford Marshall and staff

Half course (fall term; repeated spring term). Section I: Tu., Th., 10–11:30; Section II: Tu., Th., 11:30–1. EXAM GROUP: 12, 13

Intended for those who have learned how to handle everyday situations in a French-speaking environment, French 31 prepares students for interacting on a more sophisticated level. Students will fine-tune their oral language skills through a more advanced study of pronunciation, grammar and discourse strategies, while discussing and debating topics of current interest as they are presented in the media, including the press, radio, television, cinema, and the Internet.

Note: Conducted in French. May not be audited or taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Students may take no more than two courses numbered in the 30s. See details and section on-line on the French 31 website.



Prerequisite: French 25 or 27; 660-689 on the SAT II test or the Harvard Placement test; or permission of course head.

French 35. Upper-Level French I: “La quête de soi et le rapport avec autrui”

Catalog Number: 1935

Marlies Mueller and staff

Half course (fall term; repeated spring term). Sections: M., W., F., at 10 or 11. EXAM GROUP: 3, 4

Course in French language, literature, and film designed to enhance facility in all four language skills. Considers representations of self in literature and cinema. How does one arrive at knowledge of self, and what are the consequences of this knowledge for relationships with others? This question will be examined through authors and filmmakers such as Baudelaire, Camus, Duras, Hugo, Leconte, Rouan, Truffaut, Vercors. Complete grammar review, vocabulary building, emphasizing idiomatic subtleties and social etiquette.

Note: Conducted in French. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Students may take no more than two courses numbered in the 30s. Section on-line on the French 35 website.

Prerequisite: French 25; 660 on the SAT II test or the Harvard Placement test; or permission of course head.

French 36. Upper-Level French II: Liberté et Conscience

Catalog Number: 6963

Marlies Mueller and staff

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Advanced course in French language and literature structured to develop near-native fluency in written and oral expression. Examines the nature and consequences of freedom. How do power, knowledge, and freedom interrelate? Politics, philosophy, art, and literary imagination are considered in their relation to the creation and expansion of individual autonomy. Authors and film directors include Balzac, Beauvoir, Camus, Granier-Deferre, Maupassant, Nuytten, Ophuls, Renoir, Ribowska, and Yourcenar. Consolidating grammatical structures, vocabulary building, intensive stylistic exercises.

Note: Conducted in French. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Students may take no more than two courses numbered in the 30s. Section on-line on the French 36 website.

Prerequisite: French 25, 27, 31 or 35; 690 on the SAT II test or the Harvard Placement test; or permission of course head.

French 37. Les régions de France: hier et aujourd’hui

Catalog Number: 7909

Marie-France Bunting and staff

Half course (fall term). Sections M., W., F., at 11 or 12. EXAM GROUP: 4, 5

A journey through various regions of France surveying the present and past identities of Bretagne, Alsace, Provence, Dordogne, and Périgord, through history, folklore, gastronomy, art, music, and regional literature. Resources for class discussions include current articles from the French press, historical, sociological and literary writings as well as films and video documents. Emphasis on oral communication. An advanced grammar review is offered along with practice in



writing and vocabulary enrichment.

Note: Conducted in French. May not be taken Pass/Fail. Students may take no more than two courses numbered in the 30s.

Prerequisite: French 31, 35 or 36; 690 on the SAT II test or the Harvard Placement test; or permission of course head.

[French 42. Introduction au monde francophone]

Catalog Number: 2581

Mylène Priam

Half course (fall term). Hours to be arranged.

Designed to introduce students to cultural issues expressed in the works of some leading Francophone writers and through art and films while helping them acquire greater skills and confidence in both oral and written expression. Discussions will focus on issues of identity, exile, tradition and modernity, rural/urban culture.

Note: Expected to be given in 2007–08. Conducted in French. May not be taken Pass/Fail. Students may take no more than two courses numbered in the 40s.

Prerequisite: French 31, 35, 36, or 37; 720 on the SAT II test or the Harvard Placement test; or permission of course head.

French 47b. La Société française à travers les âges

Catalog Number: 6222

Marie-France Bunting

Half course (fall term). Sections M., W., F., at 10 or 12. EXAM GROUP: 3, 5

Aims to improve all linguistic skills while providing an historical survey of France from the Middle Ages to the end of the 19th century. Discussion will focus on prominent figures, social archetypes and major events that contributed to the formation of a national identity. Readings from historical, literary and sociological sources, and films. Active use of the language in class and practice in writing will be emphasized.

Note: Conducted entirely in French. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Students may take no more than two courses numbered in the 40s.

Prerequisite: French 35, 36, 37, or 42; 750 on the SAT II or the Harvard placement test; or permission of course head.

French 48b. Contemporary French Society

Catalog Number: 8290

Marie-France Bunting and staff

Half course (spring term). Sections M., W., F., at 10 or 12. EXAM GROUP: 3

Designed to develop greater linguistic fluency while introducing students to major debates in French society today. Themes to be explored include: family, gender, the education system, urban problems and social stratification, immigration, and French politics. Students will participate in discussions based on readings from the French press as well as from sociological and literary sources. Films and video documents closely related to the course material will emphasize the social, cultural and human aspects.

Note: Conducted entirely in French. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Students may take no more than two courses numbered in the 40s.



Prerequisite: French 35, 36, 37, 42, 45, or 47b; 750 on the SAT II or the Harvard placement test; or permission of course head.

French 51. Writing Workshop: Atelier d'écriture

Catalog Number: 0575 Enrollment: Limited to 15 per section.

Marie-France Bunting

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Aims to strengthen and develop competence in written expression. Using short stories, essays and sample texts drawn from history and philosophy, students learn to practice different styles in creative, argumentative, and analytical writings. Special emphasis is paid to stylistic variations, lexical nuances, and complex grammatical structures. In addition, each student presents several *explications de texte* (close reading of a text).

Note: Conducted in French. May not be taken Pass/Fail. Students may take no more than two courses numbered in the 50s.

Prerequisite: French 36, 37, 42, 47b, or 48b; 750 on the SAT II or the Harvard placement test; or permission of course head. Strongly recommended for concentrators and joint concentrators.

French 52. Advanced Oral Expression

Catalog Number: 2610

Marie-France Bunting

Half course (spring term). M., W., F., at 11 and 1. EXAM GROUP: 4, 6

Designed for students interested in working with the specificity of oral French in order to improve their comprehension, fluency, syntactic accuracy, and pronunciation. The aim of the course is: to fine-tune listening comprehension; to develop linguistic skills in presenting oneself, expressing emotions, debating, negotiating, etc.; and to improve pronunciation. Authentic materials on video cassettes will be used as models. In addition to practical and corrective work, students will participate collectively in a theatrical production.

Note: Conducted in French. May not be taken Pass/Fail. Students may take no more than two courses numbered in the 50s.

Prerequisite: French 37, 42, 47b, or 48b; 750 on the SAT II or the Harvard placement test; or permission of course head. Recommended for concentrators and joint concentrators.

French 55 (formerly French 45). Le Français économique et commercial

Catalog Number: 7122

Carole Bergin and staff

Half course (spring term). Section I: Tu., Th., 10–11:30; Section II: Tu., Th., 11:30–1. EXAM GROUP: 12, 13, 14

Designed for students working or traveling for business in French-speaking countries. Through audiovisual materials, the Internet, and the French press students become familiar with the current business and economic climate in France and find out about practices, customs, and “intangibles” that make French businesses different from their American counterparts. Those enrolled may take the Paris Chamber of Commerce and Industry exams and obtain an official diploma attesting to their proficiency in French.

Note: Conducted in French. May not be audited or taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Students may take no more than two courses numbered in the 50s. See details and section on-line on the French 55 website.



Prerequisite: A placement score of 720 on the SAT II test or the Harvard Placement test; or permission of course head.

French 70a. Introduction to French Literature I: From the Middle Ages to Modernity

Catalog Number: 2865

Alexia E. Duc

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Readings and discussion of texts of various genres representative of central trends in French literature from the Middle Ages through the 18th century. Emphasis on developing analytical skills by tracing the transformations of ethical, literary, philosophical and social currents.

Note: Conducted in French.

Prerequisite: 720 on the SAT II test; the Harvard Placement test; equivalent preparation; or permission of course head.

French 70b. Introduction to French Literature II: Representations of Change From the Romantics to the Present

Catalog Number: 6720

Janet Beizer

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Significant texts from the nineteenth and twentieth centuries examined in the light of close reading and contemporary criticism.

Note: Conducted in French; third hour devoted to discussion of texts studied.

Prerequisite: 720 on the SAT II test or the Harvard Placement test, equivalent preparation, or permission of course head.

French 70c. Introduction to French Literature III: The Francophone World

Catalog Number: 6432

Francis Abiola Irele

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Studies short stories, poetry, film, and drama from Black Africa, Québec, Martinique, Guadeloupe, French Guyana, Vietnam, Algeria, Morocco, Tunisia, Madagascar, Djibouti, and La Réunion.

Note: Conducted in French.

Prerequisite: 720 on the SAT II test or the Harvard Placement test, equivalent preparation, or permission of course head.

***French 91r. Supervised Reading and Research**

Catalog Number: 3954

Marie-France Bunting and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial supervision of research on subjects not treated in regular courses.

***French 97. Tutorial—Sophomore Year: The Politics of Poetics: An Introduction to Literary and Cultural Analysis**

Catalog Number: 0173

Verena A. Conley



Half course (spring term). M., 2–4.

An introduction to literary and cultural interpretation as it has evolved in French Studies since WWII. Our conversations will be structured around rigorous analysis of key literary works in relation to literary theory, semiotics, psychoanalysis, and politics.

Note: Required of concentrators in their sophomore year. Open to non-concentrators with permission of course head.

***French 98. Tutorial—Junior Year**

Catalog Number: 0879

Marie-France Bunting and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one term of French 98 is required of all honors concentrators.

***French 99. Tutorial—Senior Year**

Catalog Number: 2836

Marie-France Bunting and members of the Department and Tutorial Board

Full course. Hours to be arranged.

Note: For honors seniors writing a thesis. The first term may be counted as a half course only with the permission of the Undergraduate Adviser in French. Students who do not complete a thesis are required to submit a substantial paper in order to receive either half course or full course credit. To enroll, see Marie-France Bunting, Undergraduate Adviser.

Cross-listed Courses

Foreign Cultures 21. Cinéma et culture française, de 1896 à nos jours

Foreign Cultures 22a. La critique sociale à travers l'humour

Foreign Cultures 22b. La critique sociale à travers l'humour

Foreign Cultures 88. The African Experience: Between Tradition and Modernity

***Freshman Seminar 31o. Negotiating Identity in Postcolonial Francophone Africa and the Caribbean - (New Course)**

***Freshman Seminar 36z. Utopia and Anti-Utopia**

[Literature 165 (formerly Comparative Literature 165). The Holocaust and Problems of Representation]

Literature and Arts A-47. The Perfect Tale: The Art of Storytelling in Medieval France - (New Course)

Literature and Arts C-25. The Medieval Stage

Literature and Arts C-43. The Medieval Court

Literature and Arts C-55. Surrealism: Avant-Garde Art and Politics between the Wars

For Undergraduates and Graduates

Open to students with 750 on the Harvard Placement Test or SAT II, a score of 5 on the Advanced Placement Test in language or literature, previous coursework at Harvard of an appropriate level, or by permission of course head.

French 100. History of the French Language

Catalog Number: 4197



Virginie Greene

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Presents the evolution of French from Latin to modern French, introduces basic phonology and morphology, discusses the various policies which attempted to rule the use of French and its dialects from the 9th century to the present.

Note: Conducted in French. Required of all graduate students in French.

[French 102. Introduction to Medieval Literature and Old French]

Catalog Number: 9929

Virginie Greene

Half course (spring term). Hours to be arranged.

Provides students with linguistic, literary and cultural means of exploring French medieval literature. We will study verse and prose works from the 12th to the 15th century, using both editions in Old French and translations in modern French.

Note: Expected to be given in 2008–09. Conducted in French.

[French 112. From the Troubadour to the “Grand Rhétoriqueur”: Lyric Poetry in Medieval France \(12th to 15th Century\)](#)

Catalog Number: 5007

Virginie Greene

Half course (fall term). Tu., Th., 1:30–3. EXAM GROUP: 15, 16

Medieval poets created both new poetic forms and new figures of poets. Singers, writers, composers, lovers, dreamers, rhetoricians, moralists, and preachers: poets could be all of those. This course studies how their poetry grew from and elaborated upon the impulse “I have to sing” (*chanter m’estuet*) to become a highly self-conscious art of writing.

Note: Conducted in French.

[French 118. French Poetry: Pleiade and Baroque]

Catalog Number: 1142

Tom Conley

Half course (fall term). Hours to be arranged.

Takes up the impact of the Pléiade and the Lyon School on poetry in the Wars of Religion and their aftermath. Includes study of Scève, Marguerite de Navarre, Ronsard and his school, Jodelle, Desportes, D’Aubigné, Tyard, Sponde, Chassignet, Tristan l’Hermitte, Malherbe and the early Corneille. Emphasis placed on the relation of lyric to space and nascent science.

Note: Expected to be given in 2007–08. Conducted in French.

[French 120. Molière and Comedy](#)

Catalog Number: 1138

Alexia E. Duc

Half course (spring term). F., 1:30–4. EXAM GROUP: 6, 7, 8

Playwright, actor and director, Molière has invented a new comedy that will be read in the context of early modern poetics and politics. At the same time eternal and historical, Molière’s comic mimesis will be defined in its forces, its evolution, its diversity, its inspiration, its values and its legacy. Special attention will be given to the notions of laughter and satire, representation



and discourse, norms and ridicule, comedy and ballet.

Note: Conducted in French.

[French 121. The Text of the Renaissance]

Catalog Number: 4006

Tom Conley

Half course (fall term). Hours to be arranged.

Studies writing of the Renaissance in cultural and political context; includes readings of Rhétoriquers, Marot, Rabelais, *arts poétiques*, Ronsard, Pléiade and Baroque poetry, d'Aubigné, and essays by Montaigne.

Note: Expected to be given in 2008–09. Conducted in French.

[French 125. Crimes and Criminals in the 17th Century]

Catalog Number: 8229

Alexia E. Duc

Half course (spring term). Hours to be arranged.

Explores representations of criminality in 17th-century France. After a short inquiry into the justice system and famous cases of the period, we look at the nature and meaning of “evil-doing” in the early modern period as it is represented, condemned or celebrated in the literature and the arts. Whether against the State, God or nature, these crimes, their judges and their punishments help us understand what it means to be human for early-modern men and women.

Note: Expected to be given in 2007–08. Conducted in French.

[French 126. Literature and Humanism in the 17th Century I: The Courtier, the Hero and the Saint]

Catalog Number: 6971

Alexia E. Duc

Half course (fall term). Hours to be arranged.

An exploration of the relations between ethics and writing in the 17th century. The readings focus on three major figures of the period (the courtier, the hero, and the saint) in order to analyze the humanist legacy of the Renaissance in the times of absolutism and the relationships between literary genres and anthropology. Readings include: d'Urfé, Caussin, Sales, Charron, Corneille, Mairêt, *Cyrano de Bergerac*, Retz, Molière.

Note: Expected to be given in 2007–08. Conducted in French.

[French 131. From the Study to the Stage: Writing the Self in Early Modern France]

Catalog Number: 7385

Alexia E. Duc

Half course (fall term). Hours to be arranged.

Presents a counter-narrative to conventional histories of the emancipation of the individual from the Renaissance to the Enlightenment. In 17th-century France, the prevailing modes of constructing the self reflect a strong skepticism towards the very possibility of self-knowledge. Explores the work's reflection on the relationship between subjectivity and discourse, society, God. Readings include Montaigne, lyrical poetry (T. de Viau), theater (Corneille, Molière) moralist and epistolary writing (La Rochefoucauld, Mme. de Sévigné, Bussy-Rabutin).

Note: Expected to be given in 2007–08. Conducted in French.



[French 132a. 20th-Century French Fiction I: The Realist Mode]

Catalog Number: 4382

Susan R. Suleiman

Half course (fall term). Hours to be arranged.

How has realism been interpreted by its major modern practitioners in French? Is realism in fiction a style, a genre, an ideology, a way of seeing, a way of reading? What is the relation between realism and history, politics, sexual politics, ethics? Discussions of works by Colette, Gide, Céline, Malraux, Sartre, Camus, Beauvoir, and others, as well as selected critical and theoretical essays.

Note: Expected to be given in 2007–08. Conducted in French.

French 132b. 20th-Century French Fiction II: The Experimental Mode

Catalog Number: 1890

Susan R. Suleiman

Half course (fall term). W., 3–5, plus one hour to be arranged. EXAM GROUP: 8, 9

What are some alternatives to (or subversions of) realism in fiction? We will examine four major experimental currents or movements in 20th-century imaginative writing: Surrealism, the *nouveau roman*, the Oulipo, and *écriture féminine*. Discussion of works by Breton, Bataille, Robbe-Grillet, Sarraute, Queneau, Perec, Duras, Wittig, Cixous, as well as selected critical essays.

Note: Conducted in French.

French 136. Feminist Literary Criticisms

Catalog Number: 3845

Alice Jardine

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Close readings of postwar French fiction and theory with emphasis on what is called “the feminine” in key psychoanalytic, philosophical, and literary writings of the French poststructuralist tradition. What has been the legacy of fifty years of dialogue between French postwar theory and feminist practice in the US? Writers considered include Cixous, Duras, Hyvrard, Irigaray, Kristeva, and Wittig as well as Deleuze, Derrida, and Lacan.

Note: Conducted in English.

Prerequisite: Excellent reading knowledge of French.

[French 137. 20th-Century French Theater]

Catalog Number: 4065

Susan R. Suleiman

Half course (spring term). Hours to be arranged.

We explore the richness and variety of French theatrical writing and theory, starting with Jarry’s groundbreaking *Ubu Roi* (1896); special emphasis on experimental and avant-garde productions. Discussion of works by Jarry, Apollinaire, Artaud, Sartre, Beckett, Genet, Ionesco, Duras, Cixous, and others.

Note: Expected to be given in 2007–08. Conducted in French.

[French 139a. The 18th Century: Self and Society]

Catalog Number: 3637



Christie McDonald

Half course (spring term). Hours to be arranged.

An exploration of how the relationship between self and other, society and utopia, inaugurates a discourse on change from the second half of the 18th century through the French Revolution: Marivaux, Rousseau, Diderot, d'Alembert, Voltaire, Sade, Gouges, Beaumarchais, Condorcet.
Note: Expected to be given in 2008–09. Conducted in French.

[French 139b. The 18th Century: Ethical Dilemmas]

Catalog Number: 2223

Christie McDonald

Half course (fall term). Hours to be arranged.

Questions how notions of personhood and otherness inhabit the emergent novel, exploring the way in which events and values are resisted or subsumed in literary discourse and the kind of social and political responsibility that accompanies it. Readings will be taken from the works of Charrière, Gouges, Laclos, Marivaux, Montesquieu, Rousseau, Sade, Voltaire, etc.

Note: Expected to be given in 2007–08. Conducted in French.

French 140. The Nascent Body (1690–1760) - (New Course)

Catalog Number: 3682

Marian Hobson (Queen Mary College, University of London)

Half course (spring term). M., 4–6. EXAM GROUP: 9

Studies how, developing out of Locke's reply to Descartes (the doctor answers the mathematician), 18th-century French philosophers and writers explore the relations between mind and body, and in particular how consciousness and unconscious may be written in the body through gesture. Special study of Diderot's *Lettre sur les aveugles*, and *Le Neveu de Rameau*, but study also of material from Henry Fielding, Hogarth and Lavater.

Note: Conducted in English. Reading knowledge of French required.

French 141. The Body Politic (1760–1799) - (New Course)

Catalog Number: 2891

Marian Hobson (Queen Mary College, University of London)

Half course (spring term). Tu., 4–6. EXAM GROUP: 18

Looks at the development of theories of the relation between mind and body in later 18th-century medicine in Diderot's three-part *Rêve de d'Alembert* and with selection from other doctors (Whytt, John Hunter). Evokes the arguments for and against the reform of the penal code (Voltaire, in particular). Finally, the relation between sculpture and anthropology will be examined.

Note: Conducted in English. Reading knowledge of French required.

[French 157. Engendering the 19th-Century Novel]

Catalog Number: 1338

Janet Beizer

Half course (spring term). Hours to be arranged.

During the 19th-century, the reputation of the novel evolved from a frivolous, light genre to a weightier, worthier one. In gendered terms, the earlier romantic novel was seen as feminine or effeminate, the realist/naturalist novel as muscular, masculine, others as hermaphroditic. This



course explores the rise of the novel and its affiliation with gender. (Readings: texts by Gautier, Balzac, Sand, Flaubert, Zola, Rachilde, etc.)

Note: Expected to be given in 2007–08. Conducted in French.

French 161. Rereading Realism

Catalog Number: 1729

Janet Beizer

Half course (spring term). W., 3:30–5:30. EXAM GROUP: 8, 9

Is Realism real? Is Naturalism natural? As we read Realist and Naturalist texts, we will consider how ideological and aesthetic conventions of the “real” and the “natural” interacted with literary movements of the second half of the nineteenth century, focusing particularly on texts that represent representation. Readings will include Balzac, Flaubert, Huysmans, Zola, Rachilde.

Note: Conducted in French.

[French 165. Marcel Proust]

Catalog Number: 4620

Christie McDonald

Half course (spring term). Hours to be arranged.

In Proust’s novel, *A la recherche du temps perdu*, questions of time and memory, truth and signification, literature and philosophy converge to ask: who am I? What does it mean to become a writer? Discussion of Proust’s novels and essays, as well as a number of critical texts.

Note: Expected to be given in 2007–08. Conducted in French.

[French 167. Parisian Cityscapes]

Catalog Number: 7641

Verena A. Conley

Half course (fall term). Hours to be arranged.

Examines the rapid urbanization of Paris from World War II to the present by means of fiction, films and critical essays. Investigates how the Americanization of France, decolonization, immigration, globalization and the European Union continue to restructure the city with repercussions on its social, political, and artistic life (Allouache, Augé, Balibar, Beauvoir, Beyala, Godard, Kassovitz, Maspero, Latour, Ross, and others).

Note: Expected to be given in 2007–08. Conducted in French.

[French 170. The City]

Catalog Number: 3772

Verena A. Conley

Half course (fall term). Hours to be arranged.

Focuses on representations of the city in literature (Mercier, Balzac, Baudelaire, Zola, Breton, Aragon) and theory (Benjamin, Lefebvre). Analyzes the evolution of the concept under the impact of industrialization and technological inventions.

Note: Expected to be given in 2008–09. Conducted in French.

[French 175. Julia Kristeva: Introductions and Conclusions]

Catalog Number: 7207

Alice Jardine



Half course (spring term). Hours to be arranged.

A textual and political introduction to one of the most important intellectuals of the 20th century as well as an attempt to draw some conclusions about the promises of her work for the future.

Special attention will be paid to the question of gender and women in her writings.

Note: Expected to be given in 2008–09.

Prerequisite: Excellent reading knowledge of French.

[French 182. Politics and Poetics]

Catalog Number: 1172

Verena A. Conley

Half course (spring term). Hours to be arranged.

Examines how recent political questions in France and in the world (immigration, globalization, transformations of the nation state, citizenship, etc.) are addressed in fiction, theory and film (Derrida, Cixous, Badiou, Balibar, Virilio, and others).

Note: Expected to be given in 2008–09. Conducted in French.

[French 184. Cinema and the *auteur*]

Catalog Number: 0512

Tom Conley

Half course (fall term). Hours to be arranged.

Studies development of *auteur* theory in French film and criticism. Readings include *Cahiers du cinéma*, Bazin, Deleuze, Godard, and Foucault. Viewings include Renoir, American and Italian *auteurs*, and post-new wave cinemas.

Note: Expected to be given in 2008–09. Conducted in French.

[French 190. Albert Camus - \(New Course\)](#)

Catalog Number: 7510

Stanley Hoffmann

Half course (spring term). Th., 5–7 p.m. EXAM GROUP: 18

A study of Camus's writings as a journalist, playwright, novelist and political thinker, and of the controversies in which he was involved (the fate of Algeria, the occupation and liberation of France, the relations with Catholics, Camus's anticommunism, the Camus-Sartre clash). The tension between his art and his commitments, as well as his influence during and after his life will be examined.

Note: Conducted in French.

[French 192. The Literary and Cultural Renaissance in Haiti, 1920-60]

Catalog Number: 7505

Francis Abiola Irele

Half course (spring term). Hours to be arranged.

The literary renewal that began in Haiti in the 1920s, in the wake of the American occupation, will form the theme of this course. We will review the island's colonial history and its political evolution since independence as background to the literature. We will thereafter examine the works of leading writers and intellectuals-Price-Mars, Depestre, Roumain, Alexis, Briere-and consider their significance for the black and francophone literary corpus.

Note: Expected to be given in 2008–09. Conducted in English.



[French 195 (formerly French 277). The African and Caribbean Novel in French: Comparative Perspectives]

Catalog Number: 5245

Francis Abiola Irele

Half course (spring term). Hours to be arranged.

Examines a representative selection of novels by Francophone African and Caribbean novelists, and evaluates the development of the narrative genre that has arisen from the double heritage of the oral tradition and the literate conventions of the West.

Note: Expected to be given in 2007–08. Conducted in French.

Prerequisite: Solid reading knowledge of French.

French 196. 20th-Century Theater in the Francophone Caribbean and the Indian Ocean: “de la Tragédie au Burlesque”

Catalog Number: 2684

Mylène Priam

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Analyzes the evolution of Theater from French Guyana, Haiti, Martinique, Guadeloupe, and La Reunion through the study of its currents, themes, schools, reception, and adaptation.

Discussions of plays by Georges Mauvois, Jose Pliya, Emmanuelle Gendrin, G. Desportes, etc.

Note: Conducted in French.

Cross-listed Courses

[African and African American Studies 185. Perspectives in the African Novel]

***History of Art and Architecture 173m. The Early Modern Artist**

[History of Art and Architecture 174s. Body Image in French Visual Culture: 18th and 19th Century]

[*Literature 150 (formerly *Literature 140). Colonial and Post-Colonial Spaces: France-North Africa]

[Literature 165 (formerly Comparative Literature 165). The Holocaust and Problems of Representation]

[Visual and Environmental Studies 190f. Contemporary French Cinema]

Primarily for Graduates

[French 213. In Search of a Medieval Subject]

Catalog Number: 0952

Virginie Greene

Half course (spring term). Hours to be arranged.

We will read various medieval authors ranging from Augustine to Christine de Pizan to identify a medieval subjectivity. Modern texts on subjectivity (by Hegel, Sartre, and others) will be used as a counterpoint.

Note: Expected to be given in 2008–09. Conducted in French. Open to qualified undergraduates.

French 224. Theater and Politics in the Classical Age: Corneille, Racine, Molière

Catalog Number: 6943



Alexia E. Duc

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Focuses on the representation of the relationship between the hero and the state in tragedy and on the reflection that comedy provides on power, force and discourse in times of absolutism.

Political readings included.

Note: Conducted in French.

[French 238. Failure and Change: Rereading Enlightenment]

Catalog Number: 2066

Christie McDonald

Half course (spring term). Hours to be arranged.

Analysis of crossover between discourses: religious, political, social, philosophical, literary.

Topics include authority, freedom, equality, sentiment, reason, libertinism, fanaticism, tolerance.

18th-century readings: Kant, Rousseau, Sade, Voltaire, etc.; 20th-century European and American debates about Enlightenment.

Note: Expected to be given in 2007–08. Conducted in French.

[French 252. Sounds of Silence]

Catalog Number: 2954

Janet Beizer

Half course (spring term). Hours to be arranged.

Silence, feared and revered by literature as its ambiguous dark double (mirror of textual dissolution/sign of textual self-transcendence) is never far from the text. This seminar will explore silence as it haunts nineteenth-century texts.

Note: Expected to be given in 2007–08. Conducted in French.

[French 255. Metamorphoses of the Vampire](#)

Catalog Number: 3630

Janet Beizer

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

The vampire myth came of age with literary modernism and shares with it an identity in displacement, fragmentation, and fluidity. Texts may include Baudelaire, Nodier, Balzac, Gautier, Maupassant, Rachilde, Stoker, Coppola, and theory.

Note: Conducted in French or English.

[French 256. Sand, Colette, and the Mothers of Invention]

Catalog Number: 3546

Janet Beizer

Half course (fall term). Hours to be arranged.

Women writing often seek legitimation through literary foremothers such as George Sand and Colette. We will explore the maternal imaginary as it plays out in novels and memoirs by Sand, Colette, and their critics.

Note: Expected to be given in 2008–09. Conducted in French or English, to be determined by class composition. Readings in French.



French 259. The Culture of Hysteria in Nineteenth-Century France

Catalog Number: 3349

Janet Beizer

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Reading medical and literary narratives of hysteria, we will ask why the disease flourished in this time and place, tracing hysteria as symptom of a cultural malaise. Readings in canonical and popular novels, medical encyclopedias and treatises.

Note: Conducted in French or English, to be determined by class composition. Readings in French.

[French 270. War and Memory: Representations of World War II and the Occupation in Postwar French Literature, History, and Film]

Catalog Number: 7428

Susan R. Suleiman

Half course (fall term). Hours to be arranged.

France was the only country in Western Europe that both “lost” and “won” World War II. We explore individual and collective consequences of that split. Works include Sartre, Céline, Simon, Perec, Duras, Modiano, and Ophuls.

Note: Expected to be given in 2007–08. Conducted in French.

[French 273. Globalization and French Culture]

Catalog Number: 3765

Verena A. Conley

Half course (spring term). Hours to be arranged.

Globalization in French cultural theory, fiction and film. Texts read include Balibar, Deleuze-Guattari, Derrida, Finkelkraut, Latour, Negri, Virilio and others.

Note: Expected to be given in 2007–08. Conducted in French.

French 275 (formerly French 186). The Négritude Poets

Catalog Number: 7995

Francis Abiola Irele

Half course (spring term). Tu., 1–3:30. EXAM GROUP: 15, 16, 17

Focuses on the poets associated with the Négritude movement, notably Damas, Césaire, Senghor, and David Diop. Attention is paid to the themes of racial protest and cultural reclamation central to Négritude discourse.

Note: Good reading knowledge of French. Conducted in English.

[French 279. Spatial Textures of Critical Theory]

Catalog Number: 1811

Tom Conley

Half course (fall term). Hours to be arranged.

Examines space as concept and practice in contemporary theory. Readings selected from Blanchot, Lévi-Strauss, Foucault, de Certeau, Augé, and Deleuze. Secondary literature includes geography of experience: Yi Fu Tuan, Edward Casey, Henri Lefèbvre.

Note: Expected to be given in 2007–08. Language of instruction to be determined.



French 285r. French Literature: Seminar

Catalog Number: 7479

Tom Conley

Half course (spring term). M., 1–3:30. EXAM GROUP: 6, 7, 8

Topic for 2006-07: Cartography and Renaissance Writing. Studies literary form (Rabelais, the Pléiade, Montaigne) in view of post-Columbian geography and spatial reason (Ptolemy, Apian, Finé, Thevet). Builds on collections in Pusey, Houghton, and other libraries.

Note: Conducted in French. Open to qualified undergraduate students.

Cross-listed Courses

***Visual and Environmental Studies 270. Proseminar in Film and Visual Studies: History - (New Course)**

Graduate Courses of Reading and Research

Advanced graduate students reading in the field of a proposed doctoral dissertation or working in a field of specific interest not covered by courses may propose individual projects of reading and research to be undertaken under the direction of individual members of the Department.

***French 320. French Literature: Supervised Reading and Research**

Catalog Number: 1798

Janet Beizer 3957, Tom Conley 1908, Verena A. Conley 2250 (on leave spring term), Alexia E. Duc 3801, Virginie Greene 1007, Francis Abiola Irele 4354, Alice Jardine 7457 (on leave spring term), Christie McDonald 1160 (on leave 2006-07), Mylène Priam 5302, and Susan R. Suleiman 7234

***French 330. Direction of Doctoral Dissertations**

Catalog Number: 7843

Janet Beizer 3957, Tom Conley 1908, Verena A. Conley 2250 (on leave spring term), Alexia E. Duc 3801, Virginie Greene 1007, Francis Abiola Irele 4354, Alice Jardine 7457 (on leave spring term), Christie McDonald 1160 (on leave 2006-07), Mylène Priam 5302, and Susan R. Suleiman 7234

Italian

The term “placement score” or “placement test” below and in the various course descriptions refers to the Italian placement test given during Freshman Week for freshmen and usually on Registration Day for returning students. All students with some previous Italian in secondary school are required to take the Placement Test.

No student may enter Italian A after the eighth meeting of the class, Italian Bab after the third meeting, or a C level course after the sixth meeting. Students should sign up for Italian A through 51 online on the course website before 4:00 pm on the first day of the term.



Primarily for Undergraduates

Italian A. Beginning Italian

Catalog Number: 4309

Elvira G. DiFabio and staff

Full course (indivisible). M. through F., sections at 9, 10, 11, 12 or 1. EXAM GROUP: Fall: 10
For students with little or no knowledge of Italian. Aims at achieving basic communication skills and vocabulary. Emphasis on oral expression and listening comprehension in the fall term, with increasing emphasis in the spring term on reading and writing. Introduction to Italian literature through short stories in the spring term. Course materials include complete software program for Italian grammar and vocabulary.

Note: Conducted in Italian. Students whose placement score does not entitle them to enter a more advanced course are assigned to Italian A. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Section on-line on the Italian A website.

[Italian Ax. Reading Italian]

Catalog Number: 4015

Elvira G. DiFabio and staff

Half course (spring term). Hours to be arranged.

For students (both undergraduate and graduate) with little or no knowledge of Italian. Aims at the rapid development of reading skills as a tool for research. Selections of materials in accordance with the needs of the participants.

Note: Expected to be given in 2007–08. Not open to auditors. May not be used to fulfill the language requirement. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Section on-line on the Italian Ax website.

***Italian Bab. Intensive Beginning Italian: Special Course**

Catalog Number: 3065 Enrollment: Limited to 15.

Chiara Frenquellucci and staff

Full course (fall term; repeated spring term). Section I: M. through F., at 10 and Tu., Th., at 11; Section II: meets M., W., F., at 12 and Tu., Th., 1–3. EXAM GROUP: 3, 12

A complete first-year course in one term for students with no knowledge of Italian. Speaking, listening, reading, and writing skills are all emphasized with class time focused on developing oral/aural skills. Selected readings from 20th-century authors.

Note: May not be used to fulfill the language requirement and may not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Conducted in Italian. Section on-line on the Italian Bab website.

Prerequisite: An advanced knowledge of at least one foreign language, preferably a modern Romance language, but no previous study of Italian.

Italian Ca. Intermediate Italian I: L'italiano in giallo, rosa e nero

Catalog Number: 3217

Chiara Frenquellucci and staff

Half course (fall term). Section I: M., W., F., at 12 and W., at 2; Section II: M., W., F., at 1 and W., at 3. EXAM GROUP: 5, 6

Refines and expands knowledge of structures and vocabulary that students have acquired in



beginning Italian, highlighting the functions of describing and comparing, making recommendations and talking about the past. Students are introduced to contemporary Italian culture through readings that include a mystery (un giallo), a romance (un rosa), and a gothic tale (un nero).

Note: Conducted in Italian. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Section on-line on the Italian Ca website.

Prerequisite: Italian A or Bab, or 450-599 on the SAT II test or the Harvard Placement test, or permission of course head.

Italian Cb. Intermediate Italian II: Raccontiamo storie!

Catalog Number: 6805

Chiara Frenquellucci and staff

Half course (spring term). Section I: M., W., F., at 12 and W., at 2; Section II: M., W., F., at 1 and W., at 3. EXAM GROUP: 5, 6

A logical continuation of Italian Ca, with a grammar review highlighting the functions of talking about tastes, making hypotheses, and talking about the future. Content includes Calvino folktales and Collodi's *Pinocchio*. Sophisticated written/oral communication through regular writing assignments, and a special project at the end of the term, normally the staging of a class rendition of *Pinocchio*.

Note: Conducted in Italian. Open to students whose placement score indicates a more advanced course, or as a continuation of Italian Ca. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Section on-line on the Italian Cb website.

***Italian Dab. Intensive Intermediate Italian: L'italiano delle favole**

Catalog Number: 7258 Enrollment: Limited to 15.

Chiara Frenquellucci and staff

Full course (fall term; repeated spring term). M., W., F., at 12, Tu., Th., 1-3. EXAM GROUP: Fall: 5; Spring: 5, 15, 16

A complete second-year course in one term for students with a basic knowledge of Italian. Speaking, listening, reading, and writing skills are all emphasized through seven principal functions of communication. Class time focused on further developing oral/aural skills through the retelling of popular folktales. Writing skills developed through a weekly journal with focused assignments, and an end of term class writing project.

Note: May not be used to fulfill the language requirement. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Conducted in Italian. Section on-line on the Italian Dab website.

Prerequisite: Italian A or Bab, 450-599 on the SAT II test or the Harvard Placement test, or permission of course head.

Italian 33. Oral Expression: La musica dell'italiano

Catalog Number: 6463

Elvira G. DiFabio and staff

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

An oral expression course based on Italian Opera, Italian 33 is intended for students with an advanced-intermediate knowledge of Italian but does not require prior knowledge of either music or opera. Content focuses on both the cultural and the linguistic elements of the "musical voice"



of Italians as expressed by Rossini, Verdi, Donizetti, Puccini, Leoncavallo, and others.

Note: Conducted in Italian. Monthly screenings to be arranged. May not be taken for credit by students who have passed Italian 35. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Section on-line on the Italian 33 website.

Prerequisite: Italian Cb, 600 or above on the SAT II or Harvard Placement test, or permission of course head.

Italian 35. Upper-Level Italian I: Parliamo dell'Italia

Catalog Number: 2659

Elvira G. DiFabio and staff

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Insights into Italian society and culture, especially through Italian newspaper and magazine articles, feature films, and videotapes. For students with a solid grasp of the fundamentals of Italian grammar. Aims at improving command of the language both in speaking and writing, combined with reading strategies. Practice consists of discussions, exercises in diction, and written reports.

Note: Conducted in Italian. May not be taken for credit by students who have passed Italian 33. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Section on-line on the Italian 35 website

Prerequisite: Italian Cb, 630 or above on the SAT II test or the Harvard Placement test, or permission of course head.

Italian 36. Upper-Level Italian II: Letteratura e cinema

Catalog Number: 5223

Elvira G. DiFabio and staff

Half course (spring term). M., W., F., at 12; M., W., F., at 12. EXAM GROUP: 5

Aims at advancing students' proficiency in speaking, reading and writing through vocabulary development and extension of control of higher-level syntactical patterns. Students read two complete novels and selections from two others, and view feature films on which they are based, all related to twentieth-century Italian society. Practice through class presentations, compositions, and discussions.

Note: Conducted in Italian. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Section on-line on the Italian 36 website.

Prerequisite: Italian 35 or permission of course head.

Italian 40. Advanced Oral Expression: Teatro dal vivo

Catalog Number: 0804 Enrollment: Limited to 12.

Elvira G. DiFabio and staff

Half course (spring term). M., Th., 3–5. EXAM GROUP: 8, 9, 17, 18

Reading, analyzing, enacting plays by Nobel Prize-winners Luigi Pirandello and Dario Fo. Student preparation culminates in the production of a theatrical work at the end of the term.

Note: Conducted in Italian. Open to graduate students with permission of course head. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Section on-line on the Italian 40 website.

Prerequisite: Italian 33 or higher, or permission of course head.



[Italian 44. Advanced Italian: Effetto Commedia]

Catalog Number: 5776

Elvira G. DiFabio and staff

Half course (fall term). Hours to be arranged.

Comedy Italian-style in cinema (from Totò to Benigni) and its origins. Presents students with another dimension of Italian culture, while perfecting their language skills. Problems in composition addressed through short weekly assignments; grammar review in context. Weekly video screenings.

Note: Expected to be given in 2007–08. Conducted in Italian. Open to graduate students with permission of course head. May be taken Pass/Fail or Sat/Unsat by GSAS students. Section on-line on the Italian 44 website.

Prerequisite: Italian 35 or higher, or permission of course head. Appropriate for concentrators electing the Italian Studies track.

Italian 48. Advanced Italian: Voices from Italy: Issues of Identity

Catalog Number: 0178

Elvira G. DiFabio

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An exploration of various identities of Italy, including that of non-Italians in contemporary Italy and Italians living abroad. Students will investigate these issues from a wide variety of sources, including literary, historical and sociological texts, news reports and feature films. Frequent oral and written assignments. Grammar reviewed in context, with particular emphasis on the functions of describing, summarizing and expressing an opinion.

Note: Expected to be omitted in 2007–08. Conducted in Italian. Open to graduate students with permission of course head. Section on-line on the Italian 48 website.

Prerequisite: Italian 35 or higher, or permission of course head. Appropriate for concentrators selecting the Italian Studies track.

[Italian 50. Literary Translation]

Catalog Number: 5676

Elvira G. DiFabio and staff

Half course (spring term). Hours to be arranged.

Translation from English to Italian, and occasionally from Italian to English, using sample texts from literature, history, and philosophy, as well as texts being considered for publication.

Discussion of a variety of styles, literary devices, semantic and cultural distinctions, and structural differences, along with testimony from a number of authors, including Pavese, Eco and Venuti.

Note: Expected to be given in 2007–08. Conducted in Italian. Open to graduate students with permission of course head. May be taken Pass/Fail or Sat/Unsat by GSAS students. Section on-line on the Italian 50 website.

Prerequisite: Italian 44 or higher or permission of course head.

***Italian 60. Italian and the Community - (New Course)**

Catalog Number: 4014 Enrollment: Limited to 12.

Elvira G. DiFabio and staff

Half course (spring term). Tu., Th., 11:30–1 plus four hours of service per week. EXAM



GROUP: 13, 14

An advanced language course examining the Italian experience in the US. Promotes community engagement as a vehicle for greater linguistic fluency and cultural understanding. Students will be placed with Boston-area public schools as teaching assistants or aides. Class work focuses on community service through language; texts and articles on language pedagogy, including national/European standards and advanced placement; development of activities using archives the Italian public broadcast network, for application in the classroom.

Note: Expected to be omitted in 2007–08. Section online at course web site during Fall reading period.

Prerequisite: Italian 36, 40 or above, a score of 750 on the Harvard Placement Test, or permission of course head.

***Italian 91r. Supervised Reading and Research**

Catalog Number: 2287

Elvira G. DiFabio and staff

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial supervision of research on subjects not treated in regular courses.

***Italian 97. Tutorial—Sophomore Year**

Catalog Number: 1795

Elvira G. DiFabio and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Conducted in Italian. Successful completion of one term of Italian 97 is required of concentrators.

***Italian 98. Tutorial—Junior Year**

Catalog Number: 1167

Elvira G. DiFabio and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one term of Italian 98 is required of all honors concentrators.

***Italian 99. Tutorial — Senior Year**

Catalog Number: 7840

Elvira G. DiFabio and members of the Department and Tutorial Board

Full course. Hours to be arranged.

Note: Successful completion of one term of Italian 99 is required of all honors concentrators.

Cross-listed Courses

[Literature and Arts A-26. Dante's *Divine Comedy* and Its World]

For Undergraduates and Graduates

Italian 108. The Force of Language: Italian Culture and the Origins of Linguistic Nationalism - (New Course)

Catalog Number: 9424



Paola Gambarota (University of Connecticut)

Half course (spring term). Tu., 3:30–6. EXAM GROUP: 17, 18

A study of essential notions and rhetorical strategies adopted by Italian and European intellectuals to link the notion of "genius of language" to national identity. Definitions of national language (Dante, Trissino), explanations of language diversity, issues of syntax and etymology (Muratori, Vico), the translatability of the "genius of the nation" (Cesarotti, Condillac), and reflections on national character (Montesquieu, Herder, Leopardi).

Note: Conducted in English or Italian.

Italian 113. On the Road: Geographies of Memory and Childhood in Italian Literature and Film (1942–1992)

Catalog Number: 9482

Giuliana Minghelli

Half course (spring term). M., W., at 10, plus one hour to be arranged. EXAM GROUP: 3

Introduces the student to modern and contemporary Italian literature and film through a study of the representations of place and memory in fiction and film from the Second World War to the near present.

Note: Conducted in English

[Italian 116. The Renaissance: Power, Thought, Imagination]

Catalog Number: 1211

Francesco Erspamer

Half course (fall term). Hours to be arranged.

A survey of the one hundred years that changed the world. The analysis of seminal texts by Machiavelli, Castiglione, Michelangelo, Vasari, and Galileo, is aimed at the study of the making of modernity.

Note: Expected to be given in 2007–08. Conducted in English.

Italian 120b. Dante's Purgatorio and Paradiso

Catalog Number: 2558

Lino Pertile

Half course (fall term). Tu., at 2, Th., 2–4. EXAM GROUP: 16, 17

Dante's Divina Commedia.

Note: Conducted in English.

[Italian 123. Semantics of Desire: Love in Dante's Poetry]

Catalog Number: 8912

Lino Pertile

Half course (spring term). Hours to be arranged.

Examines Dante's discourse on love, earthly and heavenly, in the context of the literature and culture of his times. In addition to a selection from Dante's *Comedy*, texts will include Book 4 of Virgil's *Aeneid*, Ovid's *Ars amatoria* and Andreas Cappellanus' *De amore*, Saint Bernard's commentary on the *Song of Songs*, Guinizzelli's and Cavalcanti's *Rime* and Iacopone da Todi's *Laude*.

Note: Expected to be given in 2008–09. Conducted in Italian.

Prerequisite: Reading knowledge of Italian.



Italian 140. The Human Comedy: the *novella* from its origins to the Renaissance

Catalog Number: 4689

Lino Pertile

Half course (spring term). Th., at 9, Tu., 1–3. EXAM GROUP: 11, 15, 16

The tradition of the Italian novella, or short story in prose, from its inception in the anonymous *Novellino* to its maturity in Boccaccio's *Decameron* and the works of other major storytellers from Sacchetti to Bandello. Selected tales will be studied for their artistic quality, and as a mirror of the varied life of Italian society between the Middle Ages and the Renaissance.

Note: Conducted in English or Italian.

Italian 141. Renaissance Epic

Catalog Number: 5328

Francesco Erspamer

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

The literary masterpieces of the golden century of Italian civilization were two narrative poems, Ariosto's *Orlando Furioso* and Tasso's *Jerusalem Delivered*, both celebrating the chivalric spirit of a bygone era. The course analyzes their relation with the epic tradition and their significance in the making of the modern conception of the world.

Note: Conducted in English.

Italian 172. Literary Cityscapes: Italian Urban Life and Cultural Change (1904–2004) - (New Course)

Catalog Number: 2764

Giuliana Minghelli

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Rome's evolution from post-risorgimento to Fascist imperial capital and postmodern site of contaminations. Turin as a stage for political struggle or murder mystery. The imagined invisible city of Calvino and the dozing provincial town of Volponi. This course will study the changing facets of the Italian urban experience. The Italian city, alternately represented as historical crystallization and a blueprint of utopia, will allow an investigation of changing ideas of identity, community and citizenship.

Note: Conducted in Italian.

[Italian 178. Contemporary Italy: Identities, Society, Cultures]

Catalog Number: 3111

Francesco Erspamer

Half course (spring term). Hours to be arranged.

A survey and a discussion of how Italy has changed since World War II and particularly in the last fifteen years from a poor, agricultural country of emigrants to an opulent, industrialized and multiethnic society, and a key player within the European Union. The course surveys recent Italian history and analyzes Italian politics, economy, institutions and culture.

Note: Expected to be given in 2008–09. Conducted in English.

Italian 179 (formerly Italian 195). After History: Fable, Myth and Nature in Italian Post War Literature

Catalog Number: 1502



Giuliana Minghelli

Half course (fall term). M., W., at 10. EXAM GROUP: 3

After the trauma of World War II, Italian writers chose to represent history through what preexists, contradicts, or outlives the historical moment: Calvino tells the story of the Resistance in the style of a fairy tale; Ginzburg and Morante confront the historical with the everyday; Pasolini searches out the primitive and mythical. We investigate this defamiliarization of history and how its fictional telling becomes the locus of interpretation for Italian cultural identity.

Note: Conducted in English.

Prerequisite: Reading knowledge of Italian required.

Italian 182. Intimate Architectures: Dwelling and Subjectivity in the Works of Italian Women Writers

Catalog Number: 8471

Giuliana Minghelli

Half course (spring term). M., 3:30–6. EXAM GROUP: 8, 9

The architecture of the house as both expression of habit and figure of desire will inform the reading of modern and contemporary Italian women writers. From Sibilla Aleramo, through Alba de Céspedes and Elsa Morante, to Elena Ferrante, the course will explore the domestic space as a site of belonging, confinement and transgression, while discussing the poetics and politics of inhabiting as a construction of subjectivity and difference.

Note: Conducted in Italian.

[Italian 189. The Culture of Antifascism] - (New Course)

Catalog Number: 7715

Francesco Erspamer

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2007–08.

[Italian 193. Literature and Fascism]

Catalog Number: 0981

Lino Pertile

Half course (spring term). Hours to be arranged.

To what extent did Italian culture contribute to, and how was it affected by, the rise and consolidation of Fascism? How did Italian writers, artists, and intellectuals react and adapt to the Fascist regime? This course aims at providing an understanding of the culture of the 1920s and 1930s while focusing on some major literary works of the period.

Note: Expected to be given in 2008–09. Conducted in English.

Prerequisite: Reading knowledge of Italian.

Cross-listed Courses

History of Art and Architecture 122x. Architecture of the Mediterranean World (1300-1650) - (New Course)

History of Art and Architecture 152. Italian Renaissance Art - (New Course)

History of Science 111v. Leonardo da Vinci: The Science of Art and the Art of Science -



[\(New Course\)](#)

[Linguistics 110. Introduction to Linguistics](#)

Primarily for Graduates

[Italian 205. Italian Theory and Literary Criticism]

Catalog Number: 1236

Francesco Erspamer

Half course (fall term). Hours to be arranged.

Moving from Francesco De Sanctis's *Storia della letteratura italiana*, this course pursues the unfolding of Italian critical thought and reflections on art and culture from Croce to Gramsci, and on to Eco and postmodernity.

Note: Expected to be given in 2008–09. Conducted in Italian.

[Italian 230. Petrarca and the Divided Self]

Catalog Number: 5548

Lino Pertile

Half course (spring term). Hours to be arranged.

Petrarch's vernacular poetry in cultural context of Trecento Italy. Particular reference to Dante and the *dolce stil nuovo*. Stylistic and linguistic features of Petrarch's *Rime* analyzed in depth while philosophical aspects are related to Petrarch's Latin works, especially the *Secretum*.

Note: Expected to be given in 2008–09. Conducted in Italian.

[Italian 250. Decadent Italy]

Catalog Number: 1235

Francesco Erspamer

Half course (fall term). Hours to be arranged.

Readings in turn-of-the-century Italian literature, from the scapigliati, Verga, and D'Annunzio, to Fogazzaro, Grazia Deledda, Pirandello. This course analyzes the complex process of self-fashioning and modernization that Italy went through between its unification and the advent of fascism.

Note: Expected to be given in 2008–09. Conducted in Italian.

[Italian 256. The Italian Ideology: Inventing a National Culture - \(New Course\)](#)

Catalog Number: 4219

Francesco Erspamer

Half course (fall term). W., 2:30–5. EXAM GROUP: 7, 8, 9

Examines the creation and evolution of the Italian cultural identity in fiction, poetry, theater, and theory. Readings include Beccaria's *Of Crimes and Punishments*, Manzoni's *The Betrothed*, Sibilla Aleramo's *A Woman*.

Note: Conducted in Italian.

[Italian 260. Up to Speed: Italian Fiction and Cinema, 1990–2005]

Catalog Number: 1335

Francesco Erspamer

Half course (fall term). Hours to be arranged.



The transformation of Italian society and culture through the narratives of the best Italian novelists and directors of today.

Note: Expected to be given in 2007–08. Conducted in Italian.

[Italian 262. Time: Rhetoric and Ideology of a Cultural Concept]

Catalog Number: 3847

Francesco Erspamer

Half course (spring term). Hours to be arranged.

Studies the development of the idea of Time in modern thought, with examples mostly taken from Italian literature. Readings include Galileo, Vico, Leopardi, Pirandello and the Futurists, Carlo Levi, Tomasi da Lampedusa, Calvino.

Note: Expected to be given in 2007–08. Conducted in Italian.

Italian 288r. Italian Literature Seminar

Catalog Number: 0613

Lino Pertile

Half course (spring term). Th., 1:30–4. EXAM GROUP: 15, 16, 17

Topic for 2006-07: Foscolo and Leopardi.

Note: Conducted in Italian.

Graduate Courses of Reading and Research

See Note to Graduate Courses of Reading and Research in French.

***Italian 320. Italian Literature: Supervised Reading and Research**

Catalog Number: 4834

Francesco Erspamer 5074 (on leave spring term), Franco Fido 2446, and Lino Pertile 3416

***Italian 330. Direction of Doctoral Dissertations**

Catalog Number: 3679

Francesco Erspamer 5074 (on leave spring term), Franco Fido 2446, and Lino Pertile 3416

Latin American Studies

Latin American Studies is an interdisciplinary concentration administered through Romance Languages and Literatures (RLL). Literature, History, Government, Economics, and Anthropology are among the sites where Latin American specialists offer a range of methods and materials to approach a complicated cultural space. For additional courses offered in RLL in the field of Latin American Studies, see Portuguese and Spanish.

Primarily for Undergraduates

Latin American Studies 70. Introduction to Latin American Studies

Catalog Number: 3379

Mariano Siskind



Half course (spring term). M., W., F., at 9. EXAM GROUP: 2

Why is Latin America poor and sometimes politically unstable? What about its cultural and human richness? What is its enormous potential for the future? To address these questions, we focus on readings, films and music from the different Latin American regions. We also concentrate on the diversity, coexistence, and divergence of ethnic traditions within national spaces. Through interdisciplinary analysis, students are introduced to the complexity of Latin American societies, their urgent problems, and fascinating cultures.

Note: Conducted in Spanish, with some readings, lectures, and discussions in English.

Latin American Studies 98. Tutorial—Junior Year

Catalog Number: 1224

Luis Cárcamo Huechante and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one term of Latin American Studies 98 is required of all honors concentrators in their junior year.

Latin American Studies 99. Tutorial—Senior Year

Catalog Number: 7959

Luis Cárcamo Huechante and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Weekly individual instruction for honors seniors writing a thesis.

Note: Successful completion of one term of Latin American Studies 99 is required of all honors concentrators. To enroll, see the Undergraduate Adviser in Latin American Studies.

Cross-listed Courses

For Undergraduates and Graduates

[Latin American Studies 110. Dictatorship/Postdictatorship: Memory, Media, and Market Culture]

Catalog Number: 2642

Luis E. Cárcamo-Huechante

Half course (spring term). Hours to be arranged.

Analyzes and discusses the ways in which questions of violence, memory, history and (re)presentation have worked in and about the periods of dictatorship in Chile (1973–1990), Argentina (1976–1983), and Uruguay (1973–1985). We will scrutinize literary works, *testimonios*, political journalism, historical documents, and films, along with theoretical texts.

Note: Expected to be given in 2007–08. Conducted in English.

Prerequisite: Reading ability in Spanish.

[Latin American Studies 121. Revoluciones: Cultural Views]

Catalog Number: 1950

Luis E. Cárcamo-Huechante

Half course (fall term). Hours to be arranged.

How does the domain of art and culture engage in, or counterpoint with, historical processes of change? This question will guide our critical examination of the cultural developments related



with the experience of three national revolutions in Latin America: the Mexican Revolution, the 1944 Revolution of Guatemala, and the 1952 national Revolution of Bolivia. Literary production, pictorial and audiovisual arts, political history, and cultural policy discussions will be included.

Note: Expected to be given in 2007–08. Conducted in English.

Prerequisite: Advanced reading ability in Spanish.

Portuguese

Placement: The term “placement score” or “placement test” below and in the various course descriptions refers to the Portuguese placement test given during Freshman Week for freshmen, and usually on Registration Day for returning students.

Primarily for Undergraduates

Portuguese A. Beginning Portuguese

Catalog Number: 7130

Clémence Jouët-Pastré and staff

Full course (indivisible). M., W., F., at 12. EXAM GROUP: 5

Designed to introduce the student with little or no knowledge of the language to the Portuguese-speaking world. Teaches fundamental communication skills—understanding, speaking, reading, and writing—and, at the same time, provides exposure to the culture and civilization of Brazil and Portugal through media broadcasts, literature readings, films, music, and videotapes. By the end of the course, students should be able to communicate easily with native speakers as well as be acquainted with basic elements of Luso-Brazilian culture.

Note: Conducted in Portuguese. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Not open to auditors. Section on-line on the Portuguese A website.

Portuguese Ac. Beginning Portuguese for Spanish Speakers

Catalog Number: 0430

Clémence Jouët-Pastré and staff

Half course (fall term). M., W., F., at 12 or 1. EXAM GROUP: 5, 6

An introductory language course designed for Spanish-English bilinguals. Along with the fundamental communication skills—understanding, speaking, reading and writing—the course will focus on those features of Portuguese which are most difficult for Spanish speakers: pronunciation, idioms and grammatical structures particular to Portuguese. Students will be introduced to the cultures of the Portuguese-speaking world through readings and authentic materials, including films, music, and videotapes.

Note: Conducted in Portuguese. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Open to Spanish-English bilinguals. Not open to auditors. Section on-line on the Portuguese Ac website.

Prerequisite: 750 on the Spanish SAT II or the Harvard Placement test; 5 on the Spanish AP test; or a 40s level Spanish course.



Portuguese Ad. Beginning Portuguese for Spanish Speakers

Catalog Number: 1315

Clémence Jouët-Pastré and staff

Half course (spring term). M., W., F., at 12 or 1. EXAM GROUP: 5

A continuation of Portuguese Ac. By the end of the second term, students should be able to communicate easily with native speakers and be acquainted with basic elements of Luso-Brazilian culture.

Note: Conducted in Portuguese. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Not open to auditors. Section on-line on the Portuguese Ad website.

Prerequisite: Portuguese Ac.

Portuguese Ba. Introduction to Portuguese

Catalog Number: 0514

Clémence Jouët-Pastré and staff

Half course (spring term). Section I: M., W., 3–5; Section II: Tu., Th., 3–5. EXAM GROUP: 8, 9

A basic introductory course for students who can devote only one term to the study of Portuguese. Teaches fundamental communication skills—understanding, speaking, reading and writing—but does not offer a complete study of grammar.

Note: Conducted in Portuguese. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Not open to auditors. Section on-line on the Portuguese Ba website.

Portuguese Ca. Intermediate Portuguese I

Catalog Number: 7692

Clémence Jouët-Pastré and staff

Half course (fall term). Section I: M., W., 2–3:30; Section II: Tu., Th., 11:30–1. EXAM GROUP: 7, 8

A beginning intermediate course for students interested in expanding and strengthening their basic Portuguese linguistic skills. Reading, writing, and conversational competency is emphasized through the study of the Luso-African-Brazilian cultures. The course aims to promote cross-cultural understanding through the use of authentic materials such as literary texts, multimedia, film, music, and videotapes.

Note: Conducted in Portuguese. Recommended for students who wish to improve their ability to speak and write Portuguese. May not be taken Pass/Fail. Section on-line on the Portuguese Ca website.

Prerequisite: Portuguese A or permission of course head.

Portuguese Cb. Intermediate Portuguese II

Catalog Number: 2799

Clémence Jouët-Pastré and staff

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Aims to further develop the four communicative skills while expanding students' background knowledge of the history and cultures of the Portuguese-speaking world. Portuguese Cb covers the important grammar points not studied in Portuguese Ca.

Note: Conducted in Portuguese. May not be taken Pass/Fail. Section on-line on the Portuguese Cb website.

Prerequisite: Portuguese Ca or permission of course head.



Portuguese 37. Brasil hoje: Contemporary Brazilian Culture through Media

Catalog Number: 5024

Clémence Jouët-Pastré

Half course (fall term). Section 1: M., W., 2:30–4; Section 2: Tu., Th., 11:30–1. EXAM GROUP: 7, 8

Students engage in systematic grammar review, along with practice in writing and vocabulary enrichment, while examining contemporary Brazil as presented in the Portuguese-language press, television, literature, and film. They analyze the ways Brazilians and non-Brazilians construct different and conflicting images of Brazil and “Brazilness.” Issues of race relations, national identity, ethnicity, and gender addressed. Discussions based on historical and literary texts, advertisements, films, videotapes of Brazilian television, and current issues of newspapers and magazines.

Note: Conducted in Portuguese. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students.

Prerequisite: Portuguese Ca/Cb or permission of course head.

Portuguese 44 (formerly Portuguese 38). Images of Brazil: Contemporary Brazilian Cinema

Catalog Number: 8893

Clémence Jouët-Pastré

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

Examines major Brazilian films in their historical, political, and social context. Class discussion also focuses on documentaries, reviews, and critical articles. In-depth textual and grammatical analysis, vocabulary building, reflections on the similarities and differences of the oral and written Portuguese will lead students to achieve a high level of competency.

Note: Conducted in Portuguese. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Section on-line on the Portuguese 44 website.

Prerequisite: Portuguese Ca/Cb or permission of course head.

Portuguese 60 (formerly Portuguese 40). Portuguese and the Community

Catalog Number: 3322

Clémence Jouët-Pastré and staff.

Half course (spring term). Tu., Th., 11:30–1 plus four hours of service per week. EXAM GROUP: 13, 14

An advanced language course examining the Luso-African-Brazilian experience in the US. Promotes community engagement as a vehicle for greater linguistic fluency and cultural understanding. Students will be placed with Boston-area community organizations and agencies. Class work focuses on readings and films by and about Luis-African-Brazilians and specific uses of Portuguese language from these communities. Authors include D. Macedo, Braga Martes, Margolis, Sales, Albues, and Villas Boas.

Note: Section on-line on the Portuguese 60 website.

Prerequisite: Portuguese 37, 38 or a score of 100 on the Harvard Placement Test.

***Portuguese 91r. Supervised Reading and Research**

Catalog Number: 5589

Clémence Jouët-Pastré and members of the Department and Tutorial Board



Half course (fall term; repeated spring term). Hours to be arranged.

Advanced reading in topics not covered in regular courses.

Note: Limited to juniors and seniors.

***Portuguese 97. Tutorial — Sophomore Year**

Catalog Number: 5769

Clémence Jouët-Pastré and members of the Department and Tutorial Board

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

Successful completion of one term of Portuguese 97 is required of all concentrators in their sophomore year.

***Portuguese 98. Tutorial — Junior Year**

Catalog Number: 8667

Clémence Jouët-Pastré and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Successful completion of one term of Portuguese 98r is required of all honors concentrators. To enroll see course head.

***Portuguese 99. Tutorial — Senior Year**

Catalog Number: 8753

Clémence Jouët-Pastré and members of the Department and Tutorial Board

Full course. Hours to be arranged.

For honors seniors writing a thesis. Successful completion of one term of Portuguese 99 is required of all honors concentrators. To enroll, see course head.

For Undergraduates and Graduates

[Portuguese 118 (formerly Portuguese 219ar). Major Poems of the Portuguese Language I]

Catalog Number: 2192

Joaquim-Francisco Coelho

Half course (fall term). Hours to be arranged.

A study of major lyrical texts of the Portuguese language, from medieval times to the present, with emphasis on poetry written in Portugal and Brazil after 1900. The approach is comparative, focusing on the formal aspects of poetry (meter, rhyme, rhythm).

Note: Expected to be given in 2008–09. Conducted in Portuguese.

[Portuguese 119 (formerly Portuguese 219br). Major Poems of the Portuguese Language II]

Catalog Number: 3242

Joaquim-Francisco Coelho

Half course (spring term). Hours to be arranged.

A continuation of Portuguese 118.

Note: Expected to be given in 2008–09. Conducted in Portuguese.

[Portuguese 122a. Introduction to the Literature of Portugal I]

Catalog Number: 2943



Joaquim-Francisco Coelho

Half course (fall term). Hours to be arranged.

The main currents of Portuguese literature. Emphasis on major authors, literary schools, and socio-aesthetic ideas from Gil Vicente and Camões to Eça de Queiroz, Fernando Pessoa, Jorge de Sena and José Saramago. Aims to teach students to read Portuguese texts and to think and write about them in a broad Western European context.

Note: Expected to be given in 2007–08.

Prerequisite: Excellent reading knowledge of Portuguese.

[Portuguese 122b. Introduction to the Literature of Portugal II]

Catalog Number: 3654

Joaquim-Francisco Coelho

Half course (spring term). Hours to be arranged.

A continuation of Portuguese 122a.

Note: Expected to be given in 2007–08.

Prerequisite: Excellent reading knowledge of Portuguese.

Portuguese 139. Sonnets and Sonneteers of the Portuguese Language - (New Course)

Catalog Number: 9170

Joaquim-Francisco Coelho

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

A historical survey of the theory and practice of the sonnet in the literature of the Portuguese language, from the Renaissance to the end of the 20th century. Portuguese and Brazilian authors include, among others, Camões, Sá de Miranda, Bocage, Antero de Quental, Fernando Pessoa, Carlos Drummond de Andrade, Mário Quintana, Ledo Ivo, David, Mourão-Ferreira, Sophia de Melo Breyner Andresen, Alexandre O'Neill, and Jorge de Sena.

Note: Conducted in Portuguese.

[Portuguese 141. The Short Stories of Machado de Assis]

Catalog Number: 8700

Joaquim-Francisco Coelho

Half course (spring term). Hours to be arranged.

Analyzes Machado's short stories in chronological order of composition, emphasizing their social content, the idiosyncratic behavior of their characters, and the author's use of language to convey the ambiguities of human nature.

Note: Expected to be given in 2008–09. Conducted in Portuguese and English.

Portuguese 144. Waves of Change

Catalog Number: 1419

Nicolau Sevcenko (Universidade de São Paulo)

Half course (spring term). M., 4–6. EXAM GROUP: 9

Studies Antropofagia, Sertanismo, and Tropicalia as aesthetic movements that shaped modern Brazilian culture.

Note: Conducted in Portuguese or English, to be decided jointly by professor and students.



[Portuguese 150. Seminal Sounds, Images and Words in Brazilian Culture] - (New Course)

Catalog Number: 0596

Nicolau Sevcenko (Universidade de São Paulo)

Half course (fall term). Hours to be arranged.

Underscores some of the moments, works and artists which contributed to fundamental changes in Brazilian culture, either in the aesthetic, ethic or cognitive senses. Throughout the course, local culture will always be considered in relationship with its European, Latin American and North American counterparts.

Note: Expected to be given in 2007–08. Conducted in Portuguese.

[Portuguese 155. Performing Arts, Literature and Culture in Modern Brazil] - (New Course)

Catalog Number: 3301

Nicolau Sevcenko (Universidade de São Paulo)

Half course (spring term). Hours to be arranged.

One of the main features of Brazilian culture is the way by which all forms of artistic creation tend to converge and coalesce into organic units, more often than not centered on music and dance. This course will try to explore and understand the driving forces behind this multi-artistic instinct.

Note: Expected to be given in 2007–08. Conducted in Portuguese.

Cross-listed courses

[Linguistics 110. Introduction to Linguistics](#)

Primarily for Graduates

[Portuguese 222. Introduction to Camões]

Catalog Number: 2995

Joaquim-Francisco Coelho

Half course (fall term). Hours to be arranged.

Study of the epic and lyric poetry of Camões in the context of the European Renaissance. Special attention given to the love sonnets and to the lyrical passages of *The Lusiads*.

Note: Expected to be given in 2007–08. Conducted in Portuguese.

[Portuguese 227. Fernando Pessoa]

Catalog Number: 7375

Joaquim-Francisco Coelho

Half course (spring term). Hours to be arranged.

Study of the works of Portugal's most distinguished literary figure of the 20th century as poet, critic, and prose writer, as well as his relation to the corpus of Portuguese literature.

Note: Expected to be given in 2007–08. Conducted in Portuguese and English.

[Portuguese 244. Manuel Bandeira e Carlos Drummond de Andrade: A Poesia moderna no Brasil - \(New Course\)](#)

Catalog Number: 4756



Joaquim-Francisco Coelho

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

A comparative study of the two most important modern poets of Brazil through their major poems and selected critical prose writings.

Note: Conducted in Portuguese.

[Portuguese 251. Culture in Turmoil: Brazil in the 60s and 70s] - (New Course)

Catalog Number: 7461

Nicolau Sevcenko (Universidade de São Paulo)

Half course (fall term). Hours to be arranged.

A discussion of some of the most creative and exciting trends in modern Brazilian culture that arose in resistance to military dictatorship: Tropicalismo, Concretismo and Neo-Concretismo, MPB, Cinema Novo, Teatro de Arena and Literatura Marginal.

Note: Expected to be given in 2007–08. Conducted in Portuguese.

Portuguese 260. The Devil at the Crossroads

Catalog Number: 1463

Nicolau Sevcenko (Universidade de São Paulo)

Half course (spring term). Th., 4–6. EXAM GROUP: 18

Focuses on revolutionary changes in Brazilian culture in the 1950s and 1960s.

Note: Conducted in Portuguese or English, to be decided jointly by professor and students.

[Portuguese 266. Urban Explosion: City and Culture in Rio and Sao Paulo] - (New Course)

Catalog Number: 8916

Nicolau Sevcenko (Universidade de São Paulo)

Half course (spring term). Hours to be arranged.

Rio de Janeiro and Sao Paulo, energetic centers of cultural creativity in modern Brazil, also experienced exponential urban growth, laying groundwork for extreme social tension, political unrest and widespread violence. Can culture play a role to curb urban malaise?

Note: Expected to be given in 2007–08. Conducted in Portuguese.

Graduate Courses of Reading and Research

See Note to Graduate Courses of Reading and Research in French.

***Portuguese 320. Literature of Portugal: Supervised Reading and Research**

Catalog Number: 6733

Nicolau Sevcenko (Universidade de São Paulo) 5229 (spring term only) and Joaquim-Francisco Coelho 7715 (on leave spring term)

***Portuguese 321. Literature of Brazil: Supervised Reading and Research**

Catalog Number: 5933

Joaquim-Francisco Coelho 7715 and Nicolau Sevcenko (Universidade de São Paulo) 5229 (spring term only)



***Portuguese 330. Direction of Doctoral Dissertations**

Catalog Number: 4072

Joaquim-Francisco Coelho 7715 (on leave spring term), Bradley S. Epps 2880, Luis Fernández-Cifuentes 2091, Mary M. Gaylord 2632, Nicolau Sevcenko (Universidade de São Paulo) 5229 (spring term only), and Doris Sommer 2744 (on leave 2006-07)

Romance Languages

See also courses in Linguistics.

Primarily for Graduates

[Romance Languages 200. Second Language Teaching and Learning](#)

Catalog Number: 2825

Kimberlee Campbell

Half course (fall term). W., 4–7 pm. EXAM GROUP: 9

An overview of second-language teaching and learning. Students are encouraged to think critically about theoretical models, learning objectives, materials design, and classroom practice. Students will evaluate existing textbooks as well as design their own materials.

Note: First hour a special practicum for graduate students and teaching assistants from the Department of Romance Languages and Literatures only. Offered jointly with the Graduate School of Education as H-750. Open to qualified undergraduates.

Graduate Courses of Reading and Research

***Romance Languages 300. Seminar for Dissertation Writing in the Romance Literatures**

Catalog Number: 9758

Mary M. Gaylord 2632

Half course (fall term; repeated spring term). Bi-weekly meetings: Th., 4-6.

Addresses prospectus preparation; scope, chapter organization, audience; politics and ethics of critical writing (acknowledgement, quotation, controversy); publishing (conference/job talks, articles, book). Biweekly meetings use readings, discussion, workshopping, guest lectures to focus on practical concerns.

Prerequisite: Completion or imminent completion of PhD general examinations.

Romance Studies

Primarily for Undergraduates

[Romance Studies 79. Romance Languages in Comparative Perspective]

Catalog Number: 8713

Elvira G. DiFabio, Virginie Greene, Clémence Jouët-Pastré, and members of the Department
Half course (fall term). Hours to be arranged.

Highlights of the similarities and differences among the Romance languages, beginning with an overview of the historical development of the Romance languages from Latin, and moving on to



the comparison of linguistic identifiers of French, Italian, Portuguese, and Spanish; may also include a discussion of Catalan. Topics will cover comparative phonology, morphology, and syntax, as well as some cross-cultural experiences such as immigration and translation.

Note: Expected to be given in 2007–08. Conducted in English; texts in original and in translation. May not be taken by RLL graduate students to fulfill the history of the language requirement.

Prerequisite: Advanced proficiency in one of the Romance Languages, or permission of the faculty committee.

[Romance Studies 82. The Middle Ages at the Movies]

Catalog Number: 1479

Kimberlee Campbell

Half course (spring term). Hours to be arranged.

Explores major themes of the Middle Ages, from war to the role of women in society, comparing medieval texts to modern cinematographic versions of the Cid, the story of Joan of Arc, and the King Arthur's court, among others. Students will examine medieval source materials as well as modern, developing a critical sense of the social uses for history, and the ways in which these may be articulated through film.

Note: Expected to be given in 2008–09. Conducted in English. Students may elect to do course assignments in Spanish or French.

***Romance Studies 91r. Supervised Reading and Research**

Catalog Number: 8210

Virginie Greene and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial supervision of research on subjects not treated in regular courses.

***Romance Studies 97. Tutorial—Sophomore Year**

Catalog Number: 1994

Virginie Greene and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one term of Romance Studies 97 is required of all concentrators in their sophomore year.

***Romance Studies 98. Tutorial—Junior Year**

Catalog Number: 5203

Virginie Greene and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one term of Romance Studies 98 is required of all honors concentrators in their junior year.

***Romance Studies 99. Tutorial—Senior Year**

Catalog Number: 1067

Virginie Greene and members of the Department and Tutorial Board

Full course. Hours to be arranged.

Note: Weekly individual instruction. Successful completion of one term of Romance Studies 99



is required of all honors concentrators. To enroll, see the Undergraduate Adviser in Romance Studies.

For Undergraduates and Graduates

Romance Studies 133. How to Behave in Romance

Catalog Number: 5976

Mary M. Gaylord and Alexia E. Duc

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Romance cultures of the early modern period share a common interest in civility. The climate of intense change that marked 16th- and 17th-century Europe produced a flurry of treatises on gender and class roles, manuals of behavior geared to new situations and how-to books for social climbers. Looking for debts to philosophy and religion as well as for the influence of changing contexts, we read Erasmus, Castiglione, Vives, Luis de León, Gracián, Faret, Courtin, Vaumorières, Bellegarde, and others.

Note: Conducted in English.

Romance Studies 171. The Spanish Civil War from Both Sides of the Border

Catalog Number: 5340

Bradley S. Epps and Susan R. Suleiman

Half course (spring term). W., 1–4. EXAM GROUP: 6, 7, 8

The Spanish Civil War (1936-39) was not just a national but an international event, which mobilized the passions of major artists and writers as well as the public. We examine the impact and the representations of that war and its aftermath in France and Spain, with some reference to England, the US and Latin America, from the 1930s to the present.

Note: Conducted in English.

Prerequisite: Good reading knowledge of either French or Spanish/Catalan.

Primarily for Graduates

Romance Studies 201. Approaches to Theory

Catalog Number: 0934

Verena Conley and members of the Department

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Major topics in literary theory as they relate to interpretation of romance literatures. Weekly seminars feature specialists in the Department who develop: philology, formalism, structuralism, post-structuralism, feminism, deconstruction, psychoanalysis, Marxism, cultural studies, post-colonial studies, queerness.

Note: Conducted in English.

Spanish

All students who have taken Spanish in secondary school are required to take the Placement Test given during Freshman Week for freshmen and usually on Registration Day for returning students.



A grade of 5 in the College Board Advanced Placement Examinations in Spanish allows you to take Spanish courses numbered 40 to 90 or, if recommended, 100-level courses. All language courses are conducted in Spanish and include weekly writing assignments. For details, see the pamphlet *Advanced Standing at Harvard College* or apply to the Director of the Program of Advanced Standing.

Primarily for Undergraduates

Spanish A. Beginning Spanish

Catalog Number: 4684

Johanna Damgaard Liander and staff

Full course (indivisible). M. through F., sections at 9, 10, 11, 1, or 2. EXAM GROUP: 10

A complete basic course for students with little or no knowledge of Spanish. Initial emphasis on speaking, and, in the spring term, more emphasis on reading and writing, introducing Hispanic culture through texts by García Lorca, Neruda, and others; and use of computer, video, and film materials. After Spanish A, students should be able to engage in everyday conversation with native speakers, and read straightforward texts, both fiction and non-fiction, with relative ease.

Note: Conducted in Spanish. May not be taken by students who have had more than 3 years of Spanish in high school. May not be taken Pass/Fail. Students whose placement score does not entitle them to enter a more advanced course are assigned to Spanish A. Section on-line on the Spanish A website.

Spanish Ax. Reading Spanish

Catalog Number: 5318

Ernesto E. Guerra

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

For students (both undergraduate and graduate) with little or no knowledge of Spanish. Aims at the rapid development of reading skills as a tool for research.

Note: Not open to auditors. May not be used to fulfill the language requirement. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Conducted in English. Section on-line on the Spanish Ax website.

***Spanish Bab. Intensive Beginning Spanish: Special Course**

Catalog Number: 5577 Enrollment: Limited to 15 students per section.

José Ignacio Alvarez-Fernández and staff

Full course (fall term; repeated spring term). Section I: M. through F., at 9 and Tu., Th., at 10; Section II: M. through F., at 11 and Tu., Th., at 12. EXAM GROUP: 2, 4, 11

For students with no previous formal training in Spanish but with competence in at least one foreign language. Emphasis on communication skills. Language instruction supplemented by cultural and literary readings, film, and computer materials.

Note: May not be used to fulfill the language requirement. May not be taken Pass/Fail. Interested students should contact José Ignacio Alvarez-Fernández before registration for fall term and before fall examination period for spring term.



Spanish Ca. Intermediate Spanish I

Catalog Number: 5914

Nina C. de W. Ingraio and staff

Half course (fall term). Sections M., W., F., at 9, 10, 11, 12, and 1. EXAM GROUP: 10

A beginning intermediate course emphasizing listening, speaking, reading and writing, and including a review of grammar. Selected readings and related activities respond to a wide variety of interests: current events and issues, as well as short stories by well-known Spanish and Latin American authors. After Spanish Ca students should be able to communicate in Spanish with native speakers.

Note: Conducted in Spanish. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Section on-line on the Spanish Ca website.

Prerequisite: Spanish A, Bab, 450-599 on the SAT II test or on the Harvard Placement Test, 3 years of Spanish in high school, or permission of course head.

Spanish Cb. Intermediate Spanish II

Catalog Number: 6874

Nina C. de W. Ingraio and staff

Half course (spring term). Sections M., W., F., at 9, 10, 11, 12, and 1. EXAM GROUP: 10

Emphasis on oral communication, with continued practice in reading and writing. Class discussions focus on Hispanic culture, art, and literature. Special listening materials used for insight into daily life in Spanish-speaking areas. After the Ca-Cb sequence, students should be able to understand lectures in Spanish, converse on everyday topics with a native speaker, read material of average difficulty and mature content, and write with acceptable style and correctness.

Note: Conducted in Spanish. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Section on-line on the Spanish Cb website.

Prerequisite: Placement score of 550-599, Spanish Bab, Ca or permission of course head.

***Spanish Dab. Intensive Intermediate Spanish: Special Course**

Catalog Number: 4553

José Ignacio Alvarez-Fernández and staff

Full course (spring term). M. through F., at 11; Tu., Th., at 12. EXAM GROUP: 4, 13

A complete second-year course in one term. Geared toward motivated students with an elementary knowledge of Spanish who want to accelerate their progress in the language.

Consolidates and expands oral comprehension, speaking, reading, and writing. Class materials include literature, film, and media.

Note: Conducted entirely in Spanish. May not be used to fulfill the language requirement. May not be taken Pass/Fail.

Prerequisite: Spanish A, Spanish Bab, 450-599 on the SAT II test or the Harvard Placement test, or permission of course head.

[Spanish 27. Oral Expression I: El español hablado]

Catalog Number: 5358

Nina C. de W. Ingraio and staff

Half course (fall term; repeated spring term). Hours to be arranged.

Develops oral fluency in Spanish, while introducing students to attitudes, values, and cultural



patterns of contemporary life in Spain and Latin America. Students have continual opportunities to act out situations encountered in a Spanish-speaking environment. Although oral proficiency is not a prerequisite, course is best suited to students with a solid foundation in Spanish.

Note: Expected to be given in 2007–08. Conducted in Spanish. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Section on-line on the Spanish 27 website.

Prerequisite: Spanish Cb, 600-659 on the SAT II test or the Harvard Placement test, or permission of course head.

Spanish 30. Oral Expression II: Temas de actualidad

Catalog Number: 0479

Nina C. de W. Ingraio and staff

Half course (fall term; repeated spring term). M., W., F. at 11, 12, and 1. EXAM GROUP: 4, 5, 6
 Intended for students who have learned to handle everyday situations. Prepares students for interacting on a more sophisticated level in a work or study setting. Class discussions and activities as well as the written assignments are based on topics of current interest researched by the students, literary selections, films, and the press. Review of selected grammar topics.

Note: Conducted in Spanish. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Students may take no more than two courses numbered in the 30s. Section on-line on the Spanish 30 website.

Prerequisite: 600-719 on the SAT II test or the Harvard Placement test, Spanish Cb or 27, or permission of course head.

Spanish 35. Upper-Level Spanish I: Cuatro países latinoamericanos

Catalog Number: 7127

Adriana Gutiérrez and staff

Half course (fall term). M., W., F., at 10, 11, and 1. EXAM GROUP: 3, 4, 6

Designed to expand speaking and writing skills in Spanish, the course introduces students to the cultural expression—in literature, film, and journalism—of four Latin American countries each representing a unique perspective: Chile, Colombia, Mexico, and Peru. In addition to in-class discussions, course work involves a comprehensive grammar review and practice in writing.

Note: Conducted entirely in Spanish. May not be taken Pass/Fail, but may be taken Sat/Unsat by students at GSAS. Students may take no more than two courses numbered in the 30s. Section on-line on the Spanish 35 website.

Prerequisite: Spanish Cb, 25, or 27, 600-719 on the SAT II test or the Harvard Placement test or permission of course head.

Spanish 36. Upper-Level Spanish II: Cultura urbana actual

Catalog Number: 7095

Adriana Gutiérrez and staff

Half course (spring term). M., W., F., at 10, 11, and 1. EXAM GROUP: 3, 4, 6

Consolidates and expands fluency, accuracy and stylistic range in Spanish through an examination of diverse literary and cinematographic works which depict contemporary life in the large cities of Spain, Cuba, Puerto Rico, and Mexico. In addition to in-class discussions, course work involves a comprehensive grammar review and practice in writing.

Note: Conducted entirely in Spanish. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Students may take no more than two courses numbered in the 30s Section on-



line on the Spanish 36 website.

Prerequisite: Spanish Cb, 25 or 27, 600-719 on the SAT II test or the Harvard Placement test, or permission of course head.

Spanish 44. Spanish Culture Through Film

Catalog Number: 5058 Enrollment: Limited to 35.

Johanna Damgaard Liander

Half course (fall term). M., W., F., at 10 or 11. EXAM GROUP: 3, 4

An advanced language and culture class that develops linguistic competence using film as a focus for class discussion, grammar review, and an introduction to Spanish social contexts. Course materials also include interviews, reviews, screenplays, and critical articles. Frequent written and oral assignments, as well.

Note: This course does not section on-line. Please attend the first class to be considered for admission. Conducted in Spanish. May not be taken Pass/Fail. Students may take no more than two courses numbered in the 40s.

Prerequisite: Spanish 35 or 36; 720 on the SAT II test or the Harvard Placement test; or permission of course head.

Spanish 48. Perspectives on Mexico

Catalog Number: 5426 Enrollment: Limited to 35.

Johanna Damgaard Liander

Half course (spring term). M., W., F., at 10 or 11. EXAM GROUP: 3, 4

An advanced language and culture class focusing on 20th-century Mexico as seen through the works of several Mexican women (Antonieta Rivas Mercado, Frida Kahlo, Rosario Castellanos, Elena Poniatowska, María Novaro, and others). Class materials include interviews, selections from the press, films, and paintings, as well as literary and historical readings. Frequent written and oral assignments, and a thorough review of grammar.

Note: This course does not section on-line. Please attend the first day of class to be considered for admission. Conducted in Spanish. May not be taken pass/fail. Not open to native speakers of Spanish. Students may take no more than two courses numbered in the 40s.

Prerequisite: Spanish 35 or 36; 720 on the SAT II test or the Harvard Placement test; or permission of course head.

Spanish 49a. Life in Buenos Aires

Catalog Number: 7890 Enrollment: Limited to 35.

Johanna Damgaard Liander

Half course (spring term). M., W., F., at 10 or 11. EXAM GROUP: 3, 4

An advanced language and culture class that will develop advanced language competency through the study of contemporary life in Buenos Aires. We will examine the Argentine capital, its identity and its mystique, through history, folklore, gastronomy, film, music, art, and literature. Frequent written and oral assignments, and a thorough review of grammar.

Note: Conducted in Spanish. This course does not section on-line. Please attend the first day of class to be considered for admission. May not be taken pass/fail. Not open to native speakers of Spanish. Students may take no more than two courses numbered in the 40s.

Prerequisite: Spanish 35 or 36; 720 on the SAT II test; the Harvard Placement test; or permission of course head.



Spanish 49b. Arte y nación: la esfera pública latinoamericana

Catalog Number: 4936

Adriana Gutiérrez

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Artists and intellectuals can use language to change society. To appreciate the agency of linguistic arts, we will read literature and view films that helped to establish political projects, including nation-building, throughout Latin America. At the same time, students develop their own abilities to use Spanish effectively through a sequence of grammar reviews and weekly writing assignments.

Note: Conducted in Spanish. Students may take no more than two courses numbered in the 40s.

Prerequisite: Spanish 35 or 36; 720 on the SAT II test; the Harvard Placement test; or permission of course head.

Spanish 50 (formerly Spanish 43). Creative Writing in Spanish

Catalog Number: 6794

Ernesto E. Guerra

Half course (spring term). M., W., F., at 10 or 11. EXAM GROUP: 3

An advanced language courses designed to strengthen and develop competence in written expression through creative writing. Offers an in-depth grammar review, and basic tools for reading and writing short fiction in Spanish. Readings include works by Horacio Quiroga, Jorge Luis Borges, Gabriel García Márquez and others.

Note: Conducted in Spanish. Recommended for concentrators and joint concentrators. Students may take no more than two courses numbered in the 50s. Section on-line on the Spanish 50 website.

Prerequisite: 750 on the Harvard Placement test; a 40- or 50-level course in Spanish; or permission of course head.

Spanish 54. Advanced Oral Expression

Catalog Number: 3964 Enrollment: Limited to 15.

Ernesto E. Guerra

Half course (fall term). Section 1: Tu., Th., 1:30–3; Section 2: Tu., Th., 1:30–3; Section 3: Tu., Th., 3–4:30. EXAM GROUP: 15, 16

An advanced language course designed to strengthen oral skills through discussion and representation of Spanish and Spanish-American plays. Intensive practice in listening comprehension, pronunciation, self-presentation, debating, negotiating, counseling, persuading, and expressing emotion will culminate in a class theatrical production.

Note: Conducted in Spanish. Recommended for concentrators and joint concentrators. Students may take no more than two courses numbered in the 50s. Section on-line on the Spanish 54 website.

Prerequisite: 750 on the Harvard Placement test; a 40- or 50- level course in Spanish; or permission of course head.

Spanish 55 (formerly Spanish 45). El español de los negocios

Catalog Number: 3731

José Ignacio Alvarez-Fernández and staff

Half course (fall term; repeated spring term). M., W., F., at 11 or 12. EXAM GROUP: 4, 5



An advanced language course that teaches the linguistic skills necessary for professional communication. Focus on the writing of formal letters and official documents. Systematic vocabulary building by thematic areas, and review of key grammatical points. Discussion of cultural patterns relating to business and society in Hispanic countries and in the US.

Note: Conducted in Spanish. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Students may take no more than two courses numbered in the 50s Section on-line on the Spanish 55 website.

Prerequisite: Spanish 35, 36, 41 or 42; 720 on the SAT II test or the Harvard Placement test; or permission of course head.

Spanish 60 (formerly Spanish 40). Spanish and the Community

Catalog Number: 8789 Enrollment: Limited to 12.

Johanna Damgaard Liander and staff.

Half course (fall term; repeated spring term). Tu., Th., 10–11:30, and four hours of service a week. EXAM GROUP: 12, 13

An advanced language course which examines the Latin American and Latino experience in the US, promoting community engagement as a vehicle for greater linguistic fluency and cultural understanding. Students will be placed with community organizations within the Boston area. Classwork focuses on readings and films by and about Latin Americans in the US and specific uses of Spanish in these communities. Authors include Sandra Cisneros, Ilán Stavans, and Alberto Fuguet.

Note: Interested students must apply in writing *before* registration (fall term) and before Winter Recess (spring term) to Johanna Damgaard Liander.

Prerequisite: 750 on the Harvard placement test; a 40- or 50- level course in Spanish; or permission of course head.

***Spanish 61. Spanish for Heritage Speakers**

Catalog Number: 1481

Nina C. de W. Ingraio

Half course (fall term; repeated spring term). M., W., F., at 12. EXAM GROUP: 5

Designed to enhance heritage students' knowledge of Spanish by providing them with ample opportunities to develop and improve language skills. Explores the common cultural thread among people from Spanish-speaking countries. Activities include interviews and discussions of Hispanic art, writings, film and press. Frequent written and oral assignments and a thorough review of grammar.

Note: Conducted in Spanish. May not be taken Pass/Fail.

[Spanish 70a. Hispanic Literature: Spanish Literature from the Origins to 1700]

Catalog Number: 1587

Mary M. Gaylord

Half course (fall term). Hours to be arranged.

Major works and critical approaches in the study of medieval and Golden Age literature. Works and authors include: *Cantar de mio Cid*, Alfonso X, Juan Ruiz, Juan Manuel, the Romancero, Jorge Manrique, *La Celestina*, *Lazarillo de Tormes*, Garcilaso de la Vega, San Juan de la Cruz, Cervantes, Quevedo, Calderón, Tirso.

Note: Expected to be given in 2007–08.



Prerequisite: 750 on the Harvard Placement test; a 40- or 50- level course in Spanish; or permission of course head.

Spanish 70c. Documenting Spanish Modernity: A Survey of Spanish Literature and Culture from 1700

Catalog Number: 7713

Luis Fernández-Cifuentes

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

From philosophical essays to newspaper articles, from romantic tragedy to turn-of-the-century films, from early autobiography to dirty realism, from academic landscape painting to comic strips, this course will present a provocatively diverse set of documents that will help understand Spain's equivocal and frequently contested Modernity.

Note: Conducted in Spanish.

Prerequisite: 750 on the Harvard Placement test; a 40- or 50-level course in Spanish; or permission of course head.

Spanish 71a. Imitatio and Auctoritas in Crisis: Survey of Colonial Spanish American Literature

Catalog Number: 4319

Galen Brokaw (State University of New York, Buffalo)

Half course (fall term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

Introduction to the textual production of the colonial period and its associated issues. Of principal interest will be the problematic relationship between substantive and procedural traditions on the one hand and colonial textual practices on the other.

Note: Conducted in Spanish. Required for concentrators in Hispanic Literatures and Hispanic Studies (as an alternative to Spanish 71b), and mandatory for concentrators in Latin American Studies.

Prerequisite: 750 on the Harvard Placement test; a 40- or 50- level course in Spanish; or permission of course head.

Spanish 71b. From Modernism On: Survey of Late 19th- and 20th-Century Latin American Literature

Catalog Number: 6700

Luis E. Cárcamo-Huechante

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Introduces students to Spanish-American literature from the end of the 19th to the late 20th century. Special emphasis placed on the use of key notions for literary analysis as well as for linking the literary text with broader cultural, economic, social, political and historical processes. Complementary support with grammar and language provided. Readings by Rubén Darío, José Martí, Delmira Agustini, Jorge Luis Borges, Gabriel García Márquez, José Lezama Lima, Alejandra Pizarnik, among others.

Note: Conducted in Spanish.

Prerequisite: 750 on the Harvard Placement test; a 40- or 50- level course in Spanish; or permission of course head.



[Spanish 84. Poetry and Grammar; Language and the Making of Poems in Spanish]

Catalog Number: 8578

Mary M. Gaylord

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

What are poems made of? Meter, versification, and diction are the raw materials considered most proper to poetry. Yet poets have long known that grammatical forms and syntax are indispensable building blocks of verse composition. Reading major poets—classical and modern, Spanish and Latin American—we will explore what a focus on grammar suggests about poetic craft and what focus on poems as grammatical structures reveals about the making of meaning in Spanish.

Note: Expected to be given in 2007–08. Conducted in Spanish.

Prerequisite: 750 on the Harvard Placement test; a 40- or 50- level course in Spanish; or permission of course head.

Spanish 90m. Imagining Latin Americas: Neruda, Asturias, and Paz.

Catalog Number: 8609

Luis E. Cárcamo-Huechante

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Analyzes the work of three major twentieth-century writers: Pablo Neruda, Miguel Angel Asturias, Octavio Paz. Special emphasis on the modern dimension of their literary registers—poetry, novel, short story, and essay—as well as on the construction of the writer as a “public intellectual” and how their writings imagine the (Latin) American space.

Note: Conducted in Spanish.

Prerequisite: 750 on the Harvard Placement test; a 40- or 50- level course in Spanish; or permission of course head.

[Spanish 90q. Displaced Subjectivities: Travel Writing in the Americas] - (New Course)

Catalog Number: 6875

Mariano Siskind

Half course (fall term). Hours to be arranged.

Studies 19th- and 20th-century fictions and narratives of colonial expansion, scientific expeditions, exile, tourism and official missions that account for the process of modernization in Latin America as a history of displaced and dislocated subjectivities. Includes texts by Humboldt, Darwin, Flora Tristán, Sarmiento, Martí, Darío, Groussac, García Lorca, Victoria Ocampo, Eisenstein, Trotsky, Ernesto Guevara and Mariátegui.

Note: Expected to be given in 2007–08. Conducted in Spanish.

Spanish 90s. Latin American Poetry and Poetics - (New Course)

Catalog Number: 9580

Galen Brokaw (State University of New York, Buffalo)

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

An introduction to Latin American poetry from the colonial period through the early 20th century. Secondary readings will draw from European and Latin American treatises and theories of poetry and aesthetics.



***Spanish 91r. Supervised Reading and Research**

Catalog Number: 1586

Johanna Damgaard Liander and members of the Department and Tutorial Board
Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial supervision of research on subjects not treated in regular courses.

***Spanish 97. Tutorial—Sophomore Year**

Catalog Number: 2315

Luis Fernández-Cifuentes

Half course (fall term). M., W., at 1.

Theory in Praxis: Critical Controversies. Reading assignments will expose not only a variety of recent developments in literary criticism (as it has been practiced by prominent scholars, from Vygotsky to Barbara Johnson, on both prose and poetry) but also significant controversies that have accompanied and stimulated such development (Trilling versus Vendler on Wordsworth, Jakobson versus Riffaterre on Baudelaire, Alonso versus Spitzer on Fray Luis, etc.).

Requirements include short weekly papers and regular participation in class discussions.

Note: Conducted in Spanish. Required for all concentrators in their sophomore year, but open to others.

Prerequisite: 750 on the Harvard Placement test; a 40- or 50- level course in Spanish; or permission of course head.

***Spanish 98. Tutorial—Junior Year**

Catalog Number: 5511

Johanna Damgaard Liander and members of the Department and Tutorial Board
Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one term of Spanish 98 is required of all honors concentrators in their junior year.

***Spanish 99. Tutorial—Senior Year**

Catalog Number: 5867

Johanna Damgaard Liander and members of the Department and Tutorial Board
Full course. Hours to be arranged.

Weekly individual instruction for honors seniors writing a thesis.

Note: Successful completion of one term of Spanish 99 is required of all honors concentrators.

To enroll, see the Undergraduate Adviser in Spanish.

Cross-listed Courses

[Literature and Arts A-57. State and Nation: Languages in Conflict]

For Undergraduates and Graduates

Open to students with 750 on the Harvard Placement Test or SAT II, a score of 5 on the Advanced Placement Test in language or literature, previous coursework at Harvard of an appropriate level, or permission of course head. For other related courses, see also Latin American Studies and Romance Studies.



[Spanish 110. Medieval Spanish Poetry] - (New Course)

Catalog Number: 9832

Luis M. Girón Negrón

Half course (spring term). Hours to be arranged.

Critical approaches to premodern Spanish verse (e.g. jarchas, cantares de gesta, mester de clerecía, poesía trobadoresca, romancero, poesía cancioneril, lírica tradicional, etc.) based on close readings of selected works (comparative excursus with Catalan and Galician-Portuguese poetry).

Note: Expected to be given in 2007–08. Conducted in Spanish.

[Spanish 120. Medieval Spain in the Poem of the Cid]

Catalog Number: 1579

Luis M. Girón Negrón

Half course (spring term). Hours to be arranged.

Major themes and critical approaches in the study of the Castilian epic poem *Cantar de mio Cid* and the Cidian tradition (especially in the *Romancero*).

Note: Expected to be given in 2008–09. Conducted in Spanish.

[Spanish 124. Don Quixote]

Catalog Number: 1378

Mary M. Gaylord

Half course (spring term). Hours to be arranged.

Close reading of “the first modern novel.” Considers Cervantes’ masterpiece as critical response to developments in European literature and aesthetic theory, to religious and political thinking, to 16th-century historiography, and to the discursive practices of imperial Spain.

Note: Expected to be given in 2007–08. Conducted in Spanish.

[Spanish 130. The Indian and Indigenismo in the Andes - \(New Course\)](#)

Catalog Number: 6084

Galen Brokaw (State University of New York, Buffalo)

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

This course studies the representation of the “Indian” in Latin American discourses in general but with a particular emphasis on the Andes. Secondary readings will draw from post-colonial theory and subaltern studies.

Note: Conducted in Spanish.

[Spanish 135. Writing Women: Language, Culture, and Difference in 20th-Century Spanish Narrative]

Catalog Number: 1015

Bradley S. Epps

Half course (spring term). Hours to be arranged.

Examines the situations and transformations of contemporary narrative fiction by Spanish women. Issues studied include gender, sexuality, and cultural production; oppression and resistance; war and remembrance; the rights of the individual; literary form and sexual identity; autobiography or self-invention; relations between the family and the state. Authors: Carmen de Burgos, Victor Català, Carmen Laforet, Mercè Rodoreda, Carmen Martín Gaité, Esther



Tusquets, Rosa Montero, Carme Riera, Maria Barbal, Cristina Fernández Cubas. Theoretical and critical texts are included.

Note: Expected to be given in 2007–08. Conducted in Spanish.

[Spanish 152. Figures of Marginality in the Latin American Experimental Novel] - (New Course)

Catalog Number: 0215

Mariano Siskind

Half course (spring term). Hours to be arranged.

Before and after the so-called 'boom,' Latin American writers experimented with literary forms received from Europe as a way of appropriating them and, thus, defined a cultural identity for their marginal position in the world. We read novels by Onetti, Lezama Lima, Rulfo, Saer, Roa Bastos, Cortázar, Poniatowska, Cabrera Infante to trace the construction of marginal subjectivities, spaces and cultures, relating them to the geo-political position of Latin America in the global map of modernity.

Note: Expected to be given in 2007–08. Conducted in Spanish.

[Spanish 154. Imaginaries of Emancipation, Nationhood and Civil War in the 19th Century] - (New Course)

Catalog Number: 9121

Mariano Siskind

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

19th-century Latin American writers bore the social responsibility of shaping up images of emancipation, nationhood, civil war, along with desires and fears triggered by the processes of modernization. We trace these figurations in the Neoclassic, Romantic and Modernist periods, simultaneously critiquing the social construction of literary histories and the meaningfulness of periodizations. Includes poems, essays, chronicles and novels by Lizardi, Bolívar, Bello, Olmedo, Echeverría, Gómez de Avellaneda, Villaverde, Sarmiento, Manso, Isaacs, del Casal, Silva, Martí, Darío and Neruo.

Note: Expected to be given in 2007–08. Conducted in Spanish.

[Spanish 170. Imagining Buenos Aires] - (New Course)

Catalog Number: 2920

Diana Sorensen

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2007–08. Conducted in Spanish.

[Spanish 172. Barcelona and Modernity]

Catalog Number: 4211

Bradley S. Epps

Half course (spring term). Hours to be arranged.

Examines the construction, expansion, and transformation of Barcelona as cultural capital of Catalonia and as site of political and aesthetic experimentation from the mid-19th century to the present. Drawing on literature, criticism, visual arts, architecture, urban planning, film, and music, we explore national identity, nationalism, and language; bilingualism and multiculturalism; and the relations between art and economics, political conformity and



resistance.

Note: Expected to be given in 2008–09. Conducted in Spanish; papers in Spanish, English, or Catalan.

[Spanish 173 (formerly Foreign Cultures 37). Madrid, fin-de-siècle]

Catalog Number: 4425

Luis Fernández-Cifuentes

Half course (fall term). Hours to be arranged.

Madrid's first turn of the century as a modern city was marked by the intellectual and artistic activity of the so-called Generation of 1898 (the year Spain lost its last colonies); the second turn, by the aftermath of Franco's dictatorship and the country's incorporation into the European Union. This course will explore and compare the cultural identity of the city at both junctures, through architecture and painting, narrative and film, theatre and comic books, politics and journalism.

Note: Expected to be given in 2007–08. Conducted in Spanish; papers and exams may be written in English.

[Spanish 174. Latin American Culture and Society in the 1960s] - (New Course)

Catalog Number: 5625

Diana Sorensen

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2007–08. Conducted in Spanish.

[Spanish 184. Sex and Gender in Spanish America: “Man” and “Woman”]

Catalog Number: 2186

Diana Sorensen

Half course (spring term). Hours to be arranged.

Charting the social and discursive constructions of sexual differences, our study focuses on gender as a category of analysis. We scrutinize it as a system, mapping feminism and masculinity studies as we address questions of identity, authority, and authorship. Readings in fiction and poetry include Mistral, Neruda, Ferré, Castellanos, Molloy, Bellatín, Donoso, Cortázar, Borges, and others.

Note: Expected to be given in 2008–09. Conducted in Spanish.

[Spanish 190. Proclaiming Territories: Indigenous Literatures and Cultures of the Americas - \(New Course\)](#)

Catalog Number: 0340

Luis E. Cárcamo-Huechante

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Examines the ways in which indigenous cultural producers have recreated the notion of territory in the age of globalization. In recent decades, indigenous writers and artists have explored multiple territories as their own, ranging from the land to the space of textile art and poetry, from rivers, lakes, and mountains, to radios, videos, and Internet sites. Issues of cultural appropriation, transculturation, *mestizaje*, and hybridity will be critical to our discussion.

Note: Conducted in Spanish.

Prerequisite: Advanced reading ability in Spanish.



Spanish 191. Jorge Luis Borges and Julio Cortázar

Catalog Number: 5420

Diana Sorensen

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

A course devoted to their major writings and to the ways in which they have established productive dialogues with critical theory and with other literary traditions.

Note: Conducted in Spanish.

Spanish 192. The Documentary Effect: Film, Literature and the Comeback of Realism - (New Course)

Catalog Number: 9453

Ernesto Livón-Grosman (Boston College)

Half course (fall term). Tu., 4–6. EXAM GROUP: 18

This course focuses on Latin American documentary film and literature in order to explore the politics and poetics of representation. Does the "real" matter? How is it shaped by different mediums? Among others we will see films and read texts by Edmundo Desnoes, Fernando Birri, Ernesto Cardenal, Bernardo Carvalho and Albertina Carri.

Note: Conducted in Spanish.

[Spanish 198. Cultural Spaces: Representations of the Country, the City and the Border in Spanish American Writing]

Catalog Number: 9252

Diana Sorensen

Half course (spring term). Hours to be arranged.

How is space represented in the cultural imagination? What cultural, psychological, ideological, and social forces come into play in its production? How do nations build their notions of place, how do they conceive the negotiations between the country and the city? What does the border mean in today's world of exile and migration? Texts by Virgil, Horace, Sarmiento, José Hernández, Darío, Güiraldes, Borges, Arguedas, Gallegos, Traba, Lihn, Anzaldúa, Poniatowska, and others.

Note: Expected to be given in 2008–09. Conducted in Spanish.

Cross-listed Courses

History of Art and Architecture 197g. Colonial Art - (New Course)

[Humanities 21 (formerly Spanish 155). The Making of Cultural and Political Myths in Latin America]

Literature 157 (formerly Comparative Literature 111). From Type to Self in the Middle Ages

[Studies of Women, Gender, and Sexuality 1202. Women's Writing and Film in Latin America and the Caribbean]

[Studies of Women, Gender, and Sexuality 1406. Melodrama, Camp, and Beyond: Pedro Almodóvar in Cinematic Context]

Primarily for Graduates



[Spanish 201. The History of the Spanish Language]

Catalog Number: 5610

Luis M. Girón Negrón

Half course (fall term). Hours to be arranged.

A general survey of the development of the Spanish language from Latin to the present.

Interdisciplinary approach.

Note: Expected to be given in 2007–08. Conducted in Spanish.

[Spanish 204. Love and Power in 14th-Century Castille: Juan Ruiz and Juan Manuel](#)

Catalog Number: 1181

Luis M. Girón Negrón

Half course (spring term). W., 4–6. EXAM GROUP: 9

Love and power as the thematic axes in two classics of premodern Spanish verse and prose, respectively: Juan Ruiz's *Libro de buen amor* and Juan Manuel's *Conde Lucanor*. Close readings with due attention to major critical trends and scholarly approaches.

Note: Conducted in Spanish.

[Spanish 240. Latin American Modernity and the Discourses of Globalization - \(New Course\)](#)

Catalog Number: 9246

Mariano Siskind

Half course (fall term). W., 4–6. EXAM GROUP: 9

Analyzes ways in which the literary imagination articulates the possibility and impossibility of a Latin American modern identity in the context of the global expansion of sameness. Texts: Eltit, Vallejo, Aira, Hegel, Marx, Jameson, García Canclini, Renato Ortiz, Barbero.

Note: Conducted in Spanish.

[Spanish 243. Foundational Fiction and Other Cultural Agents]

Catalog Number: 3129

Doris Sommer

Half course (fall term). Hours to be arranged.

Through novels that legitimated nation-states in Latin America, we'll explore modernity as personal and public. Teleconferencing with Bogota updates links between creativity and citizenship: telenovelas, film, performances. Theorists include Gramsci, Anderson, Foucault, Arendt, Certeau, Mockus.

Note: Expected to be given in 2007–08. Conducted in Spanish.

[Spanish 256. Modernismo and Vanguardias]

Catalog Number: 8759

Bradley S. Epps and Luis E. Cárcamo-Huechante

Half course (spring term). Hours to be arranged.

Examines the local and global, national and transnational, transatlantic and transcultural developments of Spanish and Spanish-American modernismos and vanguardias. Poetry, narrative, manifestos, pictorial and audiovisual arts, literary and aesthetic theory will be included.

Note: Expected to be given in 2007–08. Conducted in Spanish.



Spanish 258. Visual Poetics: Writing and Indigenous Media in the Americas - (New Course)

Catalog Number: 5957

Galen Brokaw (State University of New York, Buffalo)

Half course (spring term). Tu., 1–3:30. EXAM GROUP: 15, 16, 17

Focuses on indigenous American media (Mexican codices and Andean khipu) and the way in which they interact with alphabetic script in the colonial period.

Note: Conducted in English. Extensive theoretical readings in English. Reading knowledge of Spanish required.

Spanish 266. Globalization and Narration in the Americas - (New Course)

Catalog Number: 2461

Luis E. Cárcamo-Huechante

Half course (spring term). M., 1–3:30. EXAM GROUP: 6, 7, 8

How can we approach and characterize cultural narratives developed under the new conditions of globalization? Starting with this question, we will analyze the local, transnational and global reconfiguration of literary and cultural imagination.

Note: Conducted in Spanish.

[Spanish 267. Postcolonial Intellectuals and the Question of Citizenship in Spanish America]

Catalog Number: 9211

Diana Sorensen

Half course (fall term). Hours to be arranged.

Interrogates postcolonial theory's usefulness and limitations for working out a critique of nineteenth- and twentieth-century Spanish American intellectuals. Sarmiento, Lugones, Martínez Estrada, Cortázar, Dussel, González Prada, Mariátegui, Arguedas, Ardao, Rivera Cusicanqui, Paz, O'Gorman, Anzaldúa, Cisneros, and García Canclini.

Note: Expected to be given in 2008–09. Conducted in Spanish.

[Spanish 272. Aesthetics from the Margins]

Catalog Number: 1870

Doris Sommer

Half course (spring term). Hours to be arranged.

A reconsideration of standard authors, including Aristotle, Kant, Schiller, Shklovsky, and Barthes through engagements with Latin American interpreters and practitioners of literary arts, such as Paz, Borges, Rama, Carpentier, Lezama, and Cortázar among others.

Note: Expected to be given in 2008–09. Conducted in Spanish.

[Spanish 274r. Spanish Literature: Seminar]

Catalog Number: 2927

Mary M. Gaylord

Half course (fall term). Hours to be arranged.

Topic for 2007–08: Fictions of Poetics and History in Don Quixote. A study of Cervantes' parodic and satiric practice, in relation to generic conventions, poetic theory, contemporary historiography (fictional and serious) and historical context. Focus on the 1605 first volume.

Note: Expected to be given in 2007–08. Conducted in Spanish.



Spanish 276. Writing in the World: 16th- and 17th-Century Non-Fiction - (New Course)

Catalog Number: 7996

Mary M. Gaylord

Half course (spring term). F., 1–3:30. EXAM GROUP: 6, 7, 8

Readings from various non-fiction genres (manual, treatise, epistle, dialogue, proverb, miscellany, annotation, dictionary, history) consider master fables, strategies of persuasion and discourses of truth, and doubt as mirrors of the mind of Early Modern Spain.

Note: Conducted in Spanish and English. Readings in Spanish.

Spanish 281r. Spanish Literature: Seminar - (New Course)

Catalog Number: 9785

Mary M. Gaylord

Half course (fall term). Tu., 1–4. EXAM GROUP: 15, 16, 17

Topic for 2006–07: The Mirror of Nature and Reflections of the Self in Renaissance and Baroque Poetry.

Note: Conducted in Spanish.

[Spanish 285ar. Spanish Literature: Seminar]

Catalog Number: 4099

Luis Fernández-Cifuentes

Half course (spring term). Hours to be arranged.

Topic for 2007-08: Urban Strategies in the 19th-Century Narrative: Galdós and the city. Galdós's major *Novelas Contemporáneas* read in light of the analytical discourses on the modern city produced by several generations of cultural critics.

Note: Expected to be given in 2007–08. Conducted in Spanish.

[Spanish 285cr. Spanish Literature: Seminar]

Catalog Number: 1104

Luis Fernández-Cifuentes

Half course (spring term). Hours to be arranged.

Topic for 2008-09: To be announced.

Note: Expected to be given in 2008–09. Conducted in Spanish.

Spanish 287r. Spanish Literature: Seminar

Catalog Number: 4779

Bradley S. Epps

Half course (fall term). W., 1–4. EXAM GROUP: 6, 7, 8

Topic for 2006-07: The Ethics of Representation: Modern Spanish Narrative. Examines the relations between “the beautiful” and “the good,” aesthetic autonomy and social responsibility, in Baroja, Valle-Inclán, Català, Sagarra, Cela, Sánchez Ferlosio, Martín Santos, Rodoreda, Martín Gaité, Goytisolo, Benet, and Millás.

Note: Conducted in Spanish.

Cross-Listed Courses



[*Comparative Literature 210. Comparative Themes in the Literatures of Medieval Spain: Seminar]

[*Comparative Literature 211. Mysticism and Literature: Seminar]

[Comparative Literature 277 (formerly Spanish 185). Memory, History, and Fiction]

Graduate Courses of Reading and Research

See Note to Graduate Courses of Reading and Research in French.

***Spanish 320. Spanish and Hispanic-American Literature: Supervised Reading and Research**

Catalog Number: 5764

Luis E. Cárcamo-Huechante 4053, Joaquim-Francisco Coelho 7715 (on leave spring term), Bradley S. Epps 2880, Luis Fernández-Cifuentes 2091, Mary M. Gaylord 2632, Luis M. Girón Negrón 3060, Mariano Siskind 5530, Doris Sommer 2744 (on leave 2006-07), and Diana Sorensen 4214

***Spanish 330. Direction of Doctoral Dissertations**

Catalog Number: 2143

Luis E. Cárcamo-Huechante 4053, Joaquim-Francisco Coelho 7715 (on leave spring term), Bradley S. Epps 2880, Luis Fernández-Cifuentes 2091, Mary M. Gaylord 2632, Luis M. Girón Negrón 3060, Francisco Márquez Villanueva 5064, Mariano Siskind 5530, Doris Sommer 2744 (on leave 2006-07), and Diana Sorensen 4214

Russia, Eastern Europe, and Central Asia

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

*Faculty of the Standing Committee on the Degree of Master of Arts in Regional Studies—
Russia, Eastern Europe, and Central Asia*

Timothy J. Colton, Morris and Anna Feldberg Professor of Government and Russian Studies
(*Chair*)

Julie A. Buckler, Professor of Slavic Languages and Literatures

Patricia R. Chaput, Professor of the Practice of Slavic Languages

Grzegorz Ekiert, Professor of Government (*on leave 2006-07*)

Michael S. Flier, Oleksandr Potebnja Professor of Ukrainian Philology

George G. Grabowicz, Dmytro Cyzevs'kyj Professor of Ukrainian Literature

Yoshiko M. Herrera, John L. Loeb Associate Professor of the Social Sciences

John E. Malmstad, Samuel Hazzard Cross Professor of Slavic Languages and Literatures (*on*



leave spring term)

Terry D. Martin, George F. Baker III Professor of Russian Studies

James R. Russell, Mashtots Professor of Armenian Studies

Stephanie Sandler, Ernest E. Monrad Professor of Slavic Languages and Literatures

William Mills Todd III, Harvard College Professor, Harry Tuchman Levin Professor of Literature, and Professor of Comparative Literature

Other Faculty Offering Instruction in Regional Studies—Russia, Eastern Europe, and Central Asia

Rawi Abdelal, Associate Professor of Business Administration (*Business School*)

Jonathan H. Bolton, Assistant Professor of Slavic Languages and Literatures

Svetlana Boym, Curt Hugo Reisinger Professor of Slavic Languages and Literatures and Professor of Comparative Literature (*on leave 2007-08*)

Bear F. Braumoeller, Associate Professor of Government

Elena I. Campbell, Lecturer on History

Alison F. Frank, Assistant Professor of History

Joanna Nizynska, Assistant Professor of Slavic Languages and Literatures (*on leave 2006-07*)

John S. Schoeberlein, Lecturer on Anthropology and on Near Eastern Languages and Civilizations

Thomas Simons, Lecturer on Government (*spring term only*)

Cindy Skach, Associate Professor of Government (*on leave 2006-07*)

Monica D. Toft, Associate Professor of Public Policy (*Kennedy School*)

Justin Weir, John L. Loeb Associate Professor of the Humanities

This is a two-year interdisciplinary program leading to the AM degree. For details, see the supplement, “AM in Regional Studies—Russia, Eastern Europe, and Central Asia (REECA).”

The program aims to provide students with a firm grounding in the history, culture, language, politics, and economics of Russia, and of other countries of the former Soviet Union and Eastern Europe. Graduates typically enter careers in government service, international trade or finance, journalism, or consulting; some pursue further training in business, law, or academia.

The course of studies takes into account the previous background, as well as the professional needs and interests, of the individual student. In addition to offerings by the Faculty of Arts and Sciences, students may cross-register for courses at other schools of Harvard University, MIT, and the Fletcher School of Law and Diplomacy. Arrangements may be made for students interested in fields not usually represented in course offerings. Faculty may offer specialized seminars specifically for program students. Students who have completed basic program requirements may seek permission for individual research under faculty direction.

Below is a partial list of departments offering courses on Russian, East European, and Central Asian Studies:

Comparative Literature, Economics, Government, History, Near Eastern Languages and Civilizations (for courses on Islamic civilization, as well as languages of Central Asia and the Caucasus), and Slavic Languages and Literatures.



For more information on courses offered, please see individual departmental listings, or visit the REECA website at <http://daviscenter.fas.harvard.edu/student—programs/masters.html>

Primarily for Graduates

***Regional Studies — Russia, Eastern Europe, and Central Asia 299a. Master's Thesis Reading and Research**

Catalog Number: 3938 Enrollment: Limited to master's degree candidates in the REECA Program.

Timothy J. Colton and members of the Faculty

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading, research, and writing to fulfill the thesis requirement in the master's degree program in Regional Studies—Russia, Eastern Europe, and Central Asia.

Note: Master's degree candidates are required to complete both *RSRA 299a and *299b.

Normally, these courses are taken during the second year of graduate studies.

***Regional Studies — Russia, Eastern Europe, and Central Asia 299b. Master's Thesis Reading and Research**

Catalog Number: 1931 Enrollment: Limited to master's degree candidates in the REECA Program.

Timothy J. Colton and members of the Faculty

Half course (fall term; repeated spring term). Hours to be arranged.

A continuation of RSRA 299a.

Note: Master's degree candidates are required to complete both *RSRA 299a and *299b.

Normally, these courses are taken during the second year of graduate studies.

Sanskrit and Indian Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Sanskrit and Indian Studies

Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies (*Chair*)

Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures

Richard S. Delacy, Preceptor in Urdu-Hindi

Diana L. Eck, Fredric Wertham Professor of Law and Psychiatry in Society (*Head Tutor*)

Naseem A. Hines, Preceptor in Urdu-Hindi, Contin Ed/Spec Prog Instructor

Lawrence J. McCrea, Preceptor in Sanskrit

Parimal G. Patil, Associate Professor of the Study of Religion and of Sanskrit and Indian Studies



(Director of Graduate Studies)

Sunil Sharma, Visiting Lecturer in Indo-Persian and Urdu Literature
Michael Witzel, Wales Professor of Sanskrit

Affiliates of the Department of Sanskrit and Indian Studies

Francis X. Clooney, Parkman Professor of Divinity and Professor of Comparative Theology
(Divinity School)

Anne E. Monius, Professor of South Asian Religions *(Divinity School)*

Other Faculty Offering Instruction in the Department of Sanskrit and Indian Studies

Janet Gyatso, Hershey Professor of Buddhist Studies *(Divinity School)* *(on leave 2007-08)*

Richard H. Meadow, Senior Lecturer on Anthropology

Graduate students in the Faculty of Arts and Sciences may enroll in certain foreign language courses for the grade of Sat/UNS. Students should consult with course heads to determine if a course is offered on that basis. For further information and updates, please visit our website: www.fas.harvard.edu/~sanskrit/courses.html

Indian Studies

Primarily for Undergraduates

[*Indian Studies 90r. South Asian Language Tutorials](#)

Catalog Number: 0317

Diana L. Eck and assistants

Half course (fall term; repeated spring term). Hours to be arranged.

Individualized study of a South Asian language; emphasis on written expression, reading comprehension and oral fluency. Languages currently offered include Tamil and Bengali though others may be approved upon petition to the Head Tutor/Director of Graduate Studies.

Note: Not open to auditors.

[*Indian Studies 91r. Supervised Reading and Research](#)

Catalog Number: 0247

Diana L. Eck and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading leading to a long term paper in a topic or topics not covered by regular courses of instruction.

Note: A graded course. Offered at the discretion of the individual instructors.

[*Indian Studies 98r. Tutorial — Junior Year](#)

Catalog Number: 4757

Diana L. Eck and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators in the South Asian Studies option.



***Indian Studies 99. Tutorial — Senior Year**

Catalog Number: 6111

Diana L. Eck and members of the Department

Full course. Hours to be arranged.

Note: Required of concentrators in the South Asian Studies option.

Cross-Listed Courses

[Foreign Cultures 12. Sources of Indian Civilization]

Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies

***Freshman Seminar 44p. Contemporary India: Fact and Fiction**

Historical Study A-16. The Making of Modern South Asia

Literature and Arts C-18. Hindu Myth, Image, and Pilgrimage

For Undergraduates and Graduates

[Indian Studies 107. Tradition and Modernity in the Urdu-Hindi Short Story]

Catalog Number: 5952

Naseem A. Hines

Half course (fall term). Hours to be arranged.

A survey of themes of tradition and modernity in Urdu-Hindi short stories. We begin with Premchand and Phanishwarnath Renu's works, proceed to progressive writers like Manto, Chughtai, Bedi, and Krishan Chandar who broke away from social morality to confront taboo topics like urban decay and sex, and examine events leading to the evolution of New Story of Nirmal Varma, Asghar Wazahat, Mridula Garg, and Mannu Bhandari.

Note: Expected to be given in 2007–08. All readings in English. Students may access parts in Urdu-Hindi.

[Indian Studies 110. History of South Asia to 1200 CE]

Catalog Number: 7405

Michael Witzel

Half course (spring term). Hours to be arranged.

Examines sources of Indian history, from prehistoric beginnings until 1200 CE; texts, inscriptions, foreign accounts, linguistics, archaeology, anthropology, and genetics. Takes into account the rewriting of early history from a nationalistic point of view.

Note: Expected to be given in 2007–08.

Indian Studies 118. Indian Philosophy: Advanced Introduction

Catalog Number: 2709

Parimal G. Patil

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Discusses selected topics in Indian epistemology, philosophy of language, philosophy of mind, philosophy of religion, and metaphysics. We pay particular attention to the philosophical content of sectarian debates between Buddhist, Hindu, and Jaina philosophers and attempt to assess their arguments. Readings for the course include translations of primary texts, and some selected



secondary material.

Note: No knowledge of India or Sanskrit assumed or required.

**[Indian Studies 121. Hindutva: Sources, Methods, Implications for Research and Teaching]
- (New Course)**

Catalog Number: 0362

Michael Witzel and Parimal G. Patil

Half course (fall term). Hours to be arranged.

Course presents a survey of early Hindutva writings and recent developments, especially the repercussions on the interpretation of Sanskrit texts and on the writing of Indian history.

Note: Expected to be given in 2007–08.

Cross-listed Courses

[East Asian Buddhist Studies 114. The Mahâyâna in East Asia: Bodhisattvas and Their Cults in Medieval and Early Modern East Asian Buddhism](#)

[Humanities 18 (formerly Religion 1801). For the Love of God and His Prophet: Religion, Literature, and the Arts in Muslim Cultures]

[Music 190r. Topics in World Music: Proseminar](#)

[*Music 190rs. Topics in World Music: Proseminar]

[Persian 140ar. Advanced Persian](#)

[Religion 1005. World Religions in Boston: Seminar - \(New Course\)](#)

[Religion 1063. South Asian Religious Aesthetics: Seminar]

[Religion 1600. Introduction to Hinduism](#)

[Religion 1631. Hindu Traditions of Devotion]

[Religion 1645. Sacred Space and Pilgrimage in India: Seminar - \(New Course\)](#)

[Religion 1650. Modern Hindu Movements: Seminar]

[Religion 1703. Theravada Buddhist Traditions] - (New Course)

[Religion 1706. South Asian Buddhism: Dharmas, Emptiness, and Idealism]

[Religion 1802 \(formerly Religion 1555\). Introduction to Islamic Mysticism: The Sufi Tradition](#)

[*Religion 1820 (formerly *Religion 1585). Islam in South Asia: Religion, Culture, and Identity in South Asian Muslim Societies]

Primarily for Graduates

[Indian Studies 201. Materials and Methods of Indian Studies: Proseminar]

Catalog Number: 5406

Michael Witzel and members of the Department

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2007–08. Required for all Sanskrit-track PhD students.

**[Indian Studies 203. Select Topics: Survey of Middle Indic Languages and Literatures] -
(New Course)**

Catalog Number: 9867

Michael Witzel



Half course (spring term). Hours to be arranged.

Readings in and linguistic analysis of the range of Middle Indic languages, including early inscriptions, Pali, the Prakrits, Buddhist Hybrid Sanskrit, and Apabhramsa. Emphasis on languages not ordinarily included in the curriculum.

Note: Expected to be given in 2007–08.

Prerequisite: One year of Sanskrit.

[Indian Studies 206. Old Indian and Eurasian Creation Myths: Seminar]

Catalog Number: 0923

Michael Witzel

Half course (fall term). Hours to be arranged.

An analysis of selected Old Indian cosmogonic myths contrasted with comparable ones from other Indo-European and Asian traditions. The respective mythological systems, possible interpretations, and an emerging framework for their form and structure are investigated.

Note: Expected to be given in 2007–08.

[Indian Studies 207a. Understanding Indian Ritual]

Catalog Number: 1214

Michael Witzel

Half course (fall term). Hours to be arranged.

Investigates the indigenous theory and practice of Indian ritual, from its beginnings in the second millennium BCE (Rgveda) to present time. Stress on the development of the Agnihotra and Homa and Puja rituals, with materials from Vedic, Puranic, Tantric, and Buddhist sources, including their use in Bali, Tibet and Japan, and audio-visual materials. Recent theories of ritual will also be discussed. Sanskrit texts are used in translation, while read in original in the tandem course, Sanskrit 214.

Note: Expected to be given in 2007–08.

[Indian Studies 207b. Understanding Indian Ritual]

Catalog Number: 8416

Michael Witzel

Half course (spring term). Hours to be arranged.

Continuation of Indian Studies 207a.

Note: Expected to be given in 2007–08.

[Indian Studies 211. Archaic Indian Religion: The Vedas. Seminar]

Catalog Number: 6441

Michael Witzel

Half course (spring term). Hours to be arranged.

Overview of the oldest form of Indian religion, in Vedic texts: mythological system of the Rgveda, the complex array of solemn sruta and domestic rituals (rites of passage), and the transcendental philosophy of the Upanisads.

Note: Expected to be given in 2007–08. Knowledge of Sanskrit not required.

[Indian Studies 216. Readings in Indo-Persian literature - \(New Course\)](#)

Catalog Number: 2767



Ali S. Asani and Sunil Sharma
Half course (spring term). F., 3–5. EXAM GROUP: 8, 9

Cross-listed Courses

[*Comparative Literature 207. Theory and Methods in Comparative Oral Traditions: Seminar](#)

[Linguistics 220ar. Advanced Indo-European]

Graduate Courses of Reading and Research

***Indian Studies 302. Reading and Research**

Catalog Number: 1405

Ali S. Asani 7739, Diana L. Eck 4514, Parimal G. Patil 4478, and Michael Witzel 1602

Sanskrit

Primarily for Undergraduates

[*Sanskrit 91r. Supervised Reading and Research](#)

Catalog Number: 5497

Diana L. Eck and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading of texts in Sanskrit not covered by regular courses of instruction.

Note: A graded course. Offered at the discretion of the individual instructors.

[*Sanskrit 98r. Tutorial — Junior Year](#)

Catalog Number: 3117

Diana L. Eck and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators in the Sanskrit Language and Literature option.

[*Sanskrit 99. Tutorial - Senior Year](#)

Catalog Number: 9745

Diana L. Eck and members of the Department

Full course. Hours to be arranged.

Note: Required of students writing a thesis in the Sanskrit Language and Literature track.

For Undergraduates and Graduates

[Sanskrit 101a. Elementary Sanskrit](#)

Catalog Number: 8140

Lawrence J. McCrea

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

An introduction to Sanskrit.



Sanskrit 101b. Elementary Sanskrit

Catalog Number: 6892

Lawrence J. McCrea

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

Continuation of Sanskrit 101a.

Sanskrit 102a. Intermediate Sanskrit I

Catalog Number: 4843

Lawrence J. McCrea

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Selected readings in verse and prose, drawn primarily from the Epics and Classical poetic works.

Sanskrit 102b. Intermediate Sanskrit II

Catalog Number: 4916

Lawrence J. McCrea

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

Continuation of Sanskrit 102a.

Sanskrit 130a. Readings from the Upanisads I - (New Course)

Catalog Number: 2735

Michael Witzel

Half course (fall term). Th., 5–7 p.m. EXAM GROUP: 18

Close readings from critically edited late Vedic texts; interpretation of typical Brahmana style correlations leading to the Upanisadic and Advaita system of thought.

Prerequisite: At least one year of Sanskrit.

Sanskrit 130b. Readings from the Upanisads II - (New Course)

Catalog Number: 1153

Michael Witzel

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Close readings from critically edited late Vedic texts; interpretation of typical Brahmana style correlations leading to the Upanisadic and Advaita system of thought

Prerequisite: At least one year of Sanskrit.

Primarily for Graduates

Sanskrit 200ar. Advanced Poetic Sanskrit

Catalog Number: 3658

Lawrence J. McCrea

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Selected readings from inscriptions and documents.

[Sanskrit 200br. Advanced Poetic Sanskrit]

Catalog Number: 6510

Michael Witzel

Half course (spring term). Hours to be arranged.



Selected readings from inscriptions and documents.
Note: Expected to be given in 2007–08.

[Sanskrit 201ar. Advanced Philosophical Sanskrit]

Catalog Number: 9986

Lawrence J. McCrea

Half course (fall term). Hours to be arranged.

Topic to be announced.

Note: Expected to be given in 2007–08.

[Sanskrit 201br. Advanced Philosophical Sanskrit]

Catalog Number: 5965

Lawrence J. McCrea

Half course (spring term). Hours to be arranged.

Topic to be announced.

Note: Expected to be given in 2007–08.

Sanskrit 202r. Paninian Grammar

Catalog Number: 6605

Parimal G. Patil and Lawrence J. McCrea

Half course (spring term). Hours to be arranged. EXAM GROUP: 3

Introduction to descriptive and generative methods of Panini's system of Sanskrit grammar.

[Sanskrit 204ar. Introduction to Vedic Sanskrit and Literature]

Catalog Number: 6123

Michael Witzel

Half course (fall term). Hours to be arranged.

Introduction to Vedic grammar. Selection of Vedic prose texts from the Yajurveda Samhitas, Brahmanas, Aranyakas, and Upanisads.

Note: Expected to be given in 2007–08.

Prerequisite: At least one year of Sanskrit

[Sanskrit 204br. Introduction to Vedic Sanskrit and Literature]

Catalog Number: 8944

Michael Witzel

Half course (spring term). Hours to be arranged.

Continuation of Sanskrit 204ar.

Note: Expected to be given in 2007–08.

Prerequisite: At least one year of Sanskrit

Sanskrit 205ar (formerly Sanskrit 2xxar). Readings from the Rgveda I - (New Course)

Catalog Number: 1129

Michael Witzel

Half course (fall term). Hours to be arranged.

Readings and discussions of the oldest Indian text.

Prerequisite: Reading knowledge of Sanskrit.



Sanskrit 205br (formerly Sanskrit 2xxbr). Readings from the Rgveda II - (New Course)

Catalog Number: 0338

Michael Witzel

Half course (spring term). Hours to be arranged.

Readings and discussions of the oldest Indian text.

Prerequisite: Reading knowledge of Sanskrit.

[Sanskrit 207b. Advanced Mantra Texts: Atharvaveda] - (New Course)

Catalog Number: 3047

Michael Witzel

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2007–08.

Sanskrit 212br. Advanced Literary Sanskrit

Catalog Number: 3526

Parimal G. Patil

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

[Sanskrit 214. Ritual Sutras]

Catalog Number: 6626

Michael Witzel

Half course (fall term; repeated spring term). Hours to be arranged.

Reading and discussion of Sutras and Paddhatis. Selection for 2005-06: To be announced.

Note: Expected to be given in 2007–08.

[Sanskrit 215ar. Dharmasastra and Arthasastra]

Catalog Number: 6599

Michael Witzel

Half course (fall term). Hours to be arranged.

Readings in legal and political texts.

Note: Expected to be given in 2007–08.

Graduate Courses of Reading and Research

***Sanskrit 301. Reading and Research**

Catalog Number: 2158

Diana L. Eck 4514, Parimal G. Patil 4478, and Michael Witzel 1602

***Sanskrit 310. Direction of Doctoral Dissertations**

Catalog Number: 4371

Diana L. Eck 4514, Parimal G. Patil 4478, and Michael Witzel 1602

Pali

For Undergraduates and Graduates



Pali 101a. Introductory Pali

Catalog Number: 4129

*Parimal G. Patil and members of the Department
Half course (fall term). Hours to be arranged.*

Note: Given in alternate years.

Prerequisite: One year of Sanskrit.

Pali 101b. Introductory Pali

Catalog Number: 7320

*Parimal G. Patil and members of the Department
Half course (spring term). Hours to be arranged.*

Continuation of Pali 101a.

Note: Given in alternate years.

Prerequisite: One year of Sanskrit.

Pali 102a. Intermediate Pali

Catalog Number: 8376

*Parimal G. Patil and members of the Department
Half course (fall term). Hours to be arranged.*

Note: Given in alternate years.

***Pali 102b. Intermediate Pali**

Catalog Number: 7748

*Parimal G. Patil and members of the Department
Half course (spring term). Hours to be arranged.*

Continuation of Pali 102a.

Note: Given in alternate years.

Prerequisite: Pali 102a or equivalent.

Pali 103r. Readings in Pali

Catalog Number: 6985

*Parimal G. Patil and members of the Department
Half course (fall term). Hours to be arranged.*

Graduate Courses of Reading and Research

Nepali

For Undergraduates and Graduates

[Nepali 101a. Introductory Nepali]

Catalog Number: 8974

Michael Witzel and assistant

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2007–08.



[Nepali 101b. Introductory Nepali]

Catalog Number: 3039

Michael Witzel and assistant

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2007–08.

Nepali 102a. Intermediate Nepali - (New Course)

Catalog Number: 8921

Michael Witzel

Half course (fall term). Hours to be arranged.

Nepali 102b. Intermediate Nepali - (New Course)

Catalog Number: 2720

Michael Witzel

Half course (spring term). Hours to be arranged.

Urdu and Hindi

For Undergraduates and Graduates

Urdu 101. Introductory Urdu-Hindi

Catalog Number: 4078

Ali S. Asani and Richard S. Delacy

Full course (indivisible). Fall: M. through Th., (F.), at 12 or 3; Spring: M. through Th., (F.), at 12, 3, or 4. EXAM GROUP: 5, 14

An introduction to the lingua franca of the subcontinent in its "Hindustani" form. Students are introduced to both the Perso-Arabic and the Devanagari script systems. Conventional teaching materials are supplemented by popular songs and video clips from Bollywood.

Note: Not open to auditors.

Urdu 102. Intermediate Urdu-Hindi

Catalog Number: 2941

Richard S. Delacy and Ali S. Asani

Full course (indivisible). Fall: M., Tu., 4–5:30, Th., 4:30–6; Spring: Tu., W., 4-5:30, Th., 4:30-5:30. EXAM GROUP: 9, 18

Continuation of Urdu 101. Emphasis on written expression and texts in both Perso-Arabic and Devanagari script systems. Students are introduced to Urdu/Hindi fables, short stories, and various other genres of literature, including poetry.

Note: Not open to auditors.

Prerequisite: Urdu 101 or equivalent.

Urdu 103a. Advanced Urdu-Hindi

Catalog Number: 0700

Naseem A. Hines

Half course (fall term). Tu., Th., 4–5:30. EXAM GROUP: 18

Continuation of Urdu 102; covers topics in advanced grammar; designed to improve proficiency



in speaking, listening, reading, and writing.

Prerequisite: Urdu 102 or equivalent.

Urdu 103b. Advanced Urdu-Hindi

Catalog Number: 4615

Naseem A. Hines

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Continuation of Urdu 103a.

Urdu 104. The Classical Urdu Ghazal and Its Symbolism

Catalog Number: 0927

Naseem A. Hines

Half course (fall term). Tu., at 2. EXAM GROUP: 16

A survey of the popular literary genre including selections from poets such as Wali Dakkani, Siraj Aurangabadi, Mir Dard, Haidar Ali Atish, Mirza Ghalib, and others. Special attention to religious and mystical symbolism.

Prerequisite: Urdu 102 or equivalent.

Urdu 105r. Topics in Urdu-Hindi Literature

Catalog Number: 5963

Ali S. Asani and assistants

Half course (fall term; repeated spring term). Hours to be arranged.

A course for students with native or near-native proficiency with readings in a variety of genres from Urdu and/or Hindi literature based on student interest.

Urdu 106r. Advanced Oral Proficiency in Urdu-Hindi

Catalog Number: 3945

Naseem A. Hines

Half course (fall term; repeated spring term). Hours to be arranged.

A course intended to raise levels of oral proficiency for advanced students and consolidate command over complex grammatical structures. By the end of the term, students will be expected to converse in a clearly participatory fashion, initiate, sustain and bring to closure a wide variety of communicative tasks using diverse language strategies.

Prerequisite: Urdu 103 or equivalent or instructor's permission.

Graduate Courses of Reading and Research

***Urdu 300. Reading and Research**

Catalog Number: 2131

Ali S. Asani 7739

Half course (fall term; repeated spring term). Fall: F., 3–5.

Tibetan and Himalayan Studies

Primarily for Undergraduates



Tibetan 91r. Supervised Reading and Research

Catalog Number: 2288

*Leonard W. J. van der Kuijp and members of the Department
Half course (fall term; repeated spring term). Hours to be arranged.*

Supervised reading of texts in Tibetan not covered by regular courses of instruction.

Tibetan 98r. Tutorial-Junior Year

Catalog Number: 1895

*Leonard W. J. van der Kuijp and members of the Department
Half course (fall term; repeated spring term). Hours to be arranged.*

Tibetan 99. Tutorial-Senior Year

Catalog Number: 5349

*Leonard W. J. van der Kuijp and members of the Department
Full course. Hours to be arranged.*

For Undergraduates and Graduates

Tibetan 101a. Elementary Classical Tibetan

Catalog Number: 4132

*Leonard W. J. van der Kuijp and assistant
Half course (fall term). Hours to be arranged.*

Tibetan 101b. Elementary Classical Tibetan

Catalog Number: 5299

*Leonard W. J. van der Kuijp and assistant
Half course (spring term). M., 2–4.
Prerequisite: Tibetan 101a.*

Tibetan 103r. Introduction to Pre-Classical Tibetan

Catalog Number: 7031

*Leonard W. J. van der Kuijp
Half course (spring term). W., 1–4. EXAM GROUP: 6, 7, 8
Prerequisite: Tibetan 101a and 101b.*

Tibetan 104ar. Elementary Colloquial Tibetan

Catalog Number: 4158

*Leonard W. J. van der Kuijp and assistant
Half course (fall term). Hours to be arranged.*

Tibetan 104br. Elementary Colloquial Tibetan

Catalog Number: 7026

*Leonard W. J. van der Kuijp and assistant
Half course (spring term). Hours to be arranged.
Continuation of Tibetan 104a.*



[Tibetan 105ar. Intermediate Colloquial Tibetan]

Catalog Number: 1314

*Leonard W. J. van der Kuijp and assistant
Half course (fall term). Hours to be arranged.
Note: Expected to be given in 2007–08.*

[Tibetan 105br. Intermediate Colloquial Tibetan]

Catalog Number: 1151

*Leonard W. J. van der Kuijp and assistant
Half course (spring term). Hours to be arranged.
Note: Expected to be given in 2007–08.*

[Tibetan 106ar. Advanced Colloquial Tibetan]

Catalog Number: 7094

*Leonard W. J. van der Kuijp and assistant
Half course (fall term). Hours to be arranged.
Note: Expected to be given in 2007–08.
Prerequisite: Tibetan 101 and 102, or equivalent.*

[Tibetan 106br. Advanced Colloquial Tibetan]

Catalog Number: 5352

*Leonard W. J. van der Kuijp and assistant
Half course (spring term). Hours to be arranged.
Note: Expected to be given in 2007–08.
Prerequisite: Tibetan 101 and 102, or equivalent.*

[Tibetan 111. The History and Civilization of Tibet and the Buddhist Himalayas]

Catalog Number: 2749

*Leonard W. J. van der Kuijp
Half course (fall term). Hours to be arranged.
Note: Expected to be given in 2007–08.*

Cross-Listed Courses

[Religion 1700. Introduction to Buddhism, in Theory and Practice]

[Religion 1708. Issues in Buddhist Philosophy: Seminar]

Primarily for Graduates

[Tibetan 200ar. Classical Poetic Tibetan]

Catalog Number: 7360

*Leonard W. J. van der Kuijp
Half course (spring term). Hours to be arranged.*
Readings in Tibetan texts on poetic theory based on Indian models, together with illustrations of a number of poetic figures. The main text will be the Tibetan translation of the Kavyadarsa and



passages from Tibetan commentaries.

Note: Expected to be given in 2007–08.

[Tibetan 202r. Readings in Advanced Philosophical Tibetan]

Catalog Number: 7601

Leonard W. J. van der Kuijp

Half course (spring term). Hours to be arranged.

Focuses on the analyses of conceptual knowledge in early Tibetan philosophical texts (1100-1250).

Note: Expected to be given in 2007–08.

Tibetan 206. Readings in Tibetan: Seminar - (New Course)

Catalog Number: 8751

Janet Gyatso (Divinity School)

Half course (fall term). Tu., Th., 10–11:30; F., at 1. EXAM GROUP: 12, 13

Primary sources in Tibetan for the study of Tibetan religious history. Readings will focus on historiographical writing, beginning with 16th century Pawo Tsuglag Trengwa, then 19th century Ris-med movement.

Note: Offered jointly with the Divinity School as 3898.

Prerequisite: Basic reading knowledge of classical Tibetan.

[Tibetan 213. Geography of Tibet]

Catalog Number: 8255

Leonard W. J. van der Kuijp

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2007–08.

[Tibetan 219. Tibetan Religious Literature]

Catalog Number: 9500

Janet Gyatso (Divinity School)

Half course (fall term). Hours to be arranged.

A seminar in the reading of Tibetan primary sources for the study of Tibetan religion and cultural history. In fall 2004, the readings will cover texts on ritual and narrative from monastic and other sources.

Note: Expected to be given in 2007–08. Offered jointly with the Divinity School as 3892

Prerequisite: Reading knowledge of classical Tibetan.

Tibetan 220. Introduction to the Tibetan Buddhist Schools: The Sakya Tradition

Catalog Number: 0367

Leonard W. J. van der Kuijp

Half course (fall term). W., F., 10–11:30. EXAM GROUP: 3, 4

Note: Readings in Tibetan.

[Tibetan 221. Introduction to the Tibetan Schools: the nyingma and the kadam traditions]

Catalog Number: 3991

Leonard W. J. van der Kuijp



*Half course (spring term). Hours to be arranged.
Note: Expected to be given in 2007–08.*

Tibetan 222. Introduction to the Tibetan Calendars and Astrology - (New Course)

Catalog Number: 4513
Leonard W. J. van der Kuijp
Half course (spring term). F., 2–5. EXAM GROUP: 7, 8, 9
Prerequisite: Reading knowledge of Tibetan required.

Tibetan 223. Readings in the Writings of Long chen pa, 1309–1364 - (New Course)

Catalog Number: 9923
Leonard W. J. van der Kuijp
Half course (fall term). W., F., 2–3:30. EXAM GROUP: 7, 8
Prerequisite: Reading knowledge of Tibetan.

Graduate Courses of Reading and Research

***Tibetan 300. Reading and Research**

Catalog Number: 0666
Leonard W. J. van der Kuijp 1556

***Tibetan 302. Direction of AM Theses**

Catalog Number: 6927
Leonard W. J. van der Kuijp 1556

***Tibetan 305. Tibetan and Himalayan Studies**

Catalog Number: 4377
Leonard W. J. van der Kuijp 1556

Thai

For Undergraduates and Graduates

Thai 101a. Introductory Thai I

Catalog Number: 5395
Parimal G. Patil and assistant
Half course (fall term). Hours to be arranged.
Note: Given in alternate years.

Thai 101b. Introductory Thai II

Catalog Number: 6557
Parimal G. Patil and assistant
Half course (spring term). Hours to be arranged.
Note: Given in alternate years.



Thai 102a. Intermediate Thai I

Catalog Number: 8582

Parimal G. Patil and assistant

Half course (fall term). Hours to be arranged.

A two-term continuation of the study of Thai at the intermediate level. Students build on acquired proficiency at the elementary level (or its equivalent) towards achieving more fluency in reading, speaking, writing, and listening comprehension of standard Thai, as well as in cultural-social skills. Introduces new vocabulary and grammar through communicative tasks and text readings, mainly using the situational-communicative methodology.

Prerequisite: Successful completion of Elementary Thai (or equivalent) is required. Continuing students who did not take Introductory Thai, as well as new students, are encouraged to talk to the instructor prior to registration.

Thai 102b. Intermediate Thai II

Catalog Number: 3751

Parimal G. Patil and assistant

Half course (spring term). Hours to be arranged.

Prerequisite: Thai 102a.

Thai 103ar. Readings in Thai I

Catalog Number: 7590

Parimal G. Patil

Half course (fall term). Hours to be arranged.

Thai 103br. Readings in Thai II

Catalog Number: 7593

Parimal G. Patil

Half course (spring term). Hours to be arranged.

Graduate Courses of Reading and Research

***Thai 300. Reading and Research**

Catalog Number: 5368

Ali S. Asani 7739 (spring term only), Parimal G. Patil 4478 (fall term only) and assistant

Half course (fall term; repeated spring term). Tu., 4–6.

Slavic Languages and Literatures

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION



Faculty of the Department of Slavic Languages and Literatures

Stephanie Sandler, Ernest E. Monrad Professor of Slavic Languages and Literatures (*Chair*)
Anna Baranczak, Preceptor in Slavic Languages and Literatures
Stanislaw Baranczak, Alfred Jurzykowski Professor of Polish Language and Literature (*on leave 2007-08*)
Edyta M. Bojanowska, Lecturer on Slavic Languages and Literatures, Junior Fellow of the Society of Fellows, Contin Ed/Spec Prog Instructor
Jonathan H. Bolton, Assistant Professor of Slavic Languages and Literatures
Svetlana Boym, Curt Hugo Reisinger Professor of Slavic Languages and Literatures and Professor of Comparative Literature (*on leave 2007-08*)
Julie A. Buckler, Professor of Slavic Languages and Literatures
Patricia R. Chaput, Professor of the Practice of Slavic Languages (*Director of the Language Program*)
Natalia Chirkov, Preceptor in Slavic Languages and Literatures
Cole M. Crittenden, Lecturer on Slavic Languages and Literatures
Volodymyr Dibrova, Preceptor in Slavic Languages and Literatures
Michael S. Flier, Oleksandr Potebnja Professor of Ukrainian Philology
Vladimir Y. Gitin, Senior Preceptor in Slavic Languages and Literatures
George G. Grabowicz, Dmytro Cyzevs'kyj Professor of Ukrainian Literature
Lenore A. Grenoble, Visiting Professor of Slavic Languages and Literatures (*Dartmouth College*)
Nora Hampl, Preceptor in Slavic Languages and Literatures
Alexander Levitsky, Visiting Professor of Slavic Languages and Literatures (*Brown University*) (*spring term only*)
John E. Malmstad, Samuel Hazzard Cross Professor of Slavic Languages and Literatures (*on leave spring term*)
Joanna Nizynska, Assistant Professor of Slavic Languages and Literatures (*on leave 2006-07*)
Natalia Pokrovsky, Preceptor in Slavic Languages and Literatures
Alfia A. Rakova, Preceptor in Slavic Languages and Literatures
Natalia Reed, Preceptor in Slavic Languages and Literatures
William Mills Todd III, Harvard College Professor, Harry Tuchman Levin Professor of Literature, and Professor of Comparative Literature (*Director of Graduate Studies*)
Aida Vidan, Preceptor in Slavic Languages and Literatures
Justin Weir, John L. Loeb Associate Professor of the Humanities (*Director of Undergraduate Studies*)
Curt F. Woolhiser, Preceptor in Slavic Languages and Literatures

Language Courses

For Undergraduates and Graduates

Sectioning Note: Sectioning in multisectioned language courses is determined by attendance in class during the first week and through subsequent adjustments to maintain uniform section size. There is no separate sectioning meeting for language courses. Beginning on the first day of class, sections fill on a first-come basis, so that some sections may close on the first day. Students



should attend the section of their choice and must continue to attend throughout the first week (or make special arrangements) to retain their places in sections. Students who miss classes may enter only those sections where space is available. Please note that under-enrolled sections may be canceled or rescheduled. No section times are guaranteed. As a general rule, no auditors are permitted in language courses. If fellowship terms or other circumstances prohibit registration, students must speak with the Director of the Language Program to request permission to audit. Language courses may not be taken Pass/Fail. Some courses permit graduate students to register on a Pass/Fail basis, but only by permission of the instructor. For further information on the Slavic Department, please go to www.fas.harvard.edu/~slavic.

Slavic A. Beginning Russian

Catalog Number: 8014

Patricia R. Chaput, Natalia Chirkov, and others

Full course. Fall: Section I: M., Tu., W., F., at 9; Section II: M., Tu., W., F., at 10; Section III: M., W., F., at 11, Tu., at 9. Spring: Section I: M., Tu., W., F., at 9; Section 2: M., W., F., at 11, Tu., at 9. With a fifth hour of speaking practice to be arranged. EXAM GROUP: 2, 11

Introduction to the essentials of the Russian language, designed for students without previous knowledge of Russian. Intensive speaking practice in essential grammar and vocabulary using naturally occurring conversational patterns. Introduction to the speech etiquette of social exchanges. Reading and discussion of stories, biography, and poetry.

Note: See sectioning note above.

Slavic Aab. Beginning Russian (Intensive)

Catalog Number: 4441

Natalia Reed, Natalia Chirkov, and others

Full course (fall term; repeated spring term). M., through F., at 9; Speaking Practice: M., W., F., at 10 or 11. EXAM GROUP: 2, 11

Covers the same material as Slavic A but in one term.

Note: See sectioning note above.

Slavic Ac. Intermediate Grammar and Vocabulary Review I

Catalog Number: 0496

Alfia A. Rakova

Half course (fall term). M., W., F., at 10, and an additional hour for speaking practice Tu., at 10 or 11. EXAM GROUP: 3

For students who would benefit from additional work on grammar before continuing on to more advanced courses. Oral and written exercises focus on speaking and writing accurately and on developing confidence with vocabulary.

Note: See sectioning note above. Special section for heritage speakers.

Prerequisite: One or more years of college-level Russian or equivalent or placement at this level.

Slavic B. Intermediate Russian

Catalog Number: 3262

Natalia Reed and Alfia A. Rakova

Full course. M., W., F., at 9 or 10, with two additional hours of speaking practice: Tu., Th., at 10, 11, or 1. EXAM GROUP: 2, 3



Major emphasis on the development of vocabulary and oral expression with continuing work on difficult grammar topics. Vocabulary thematically organized to include such topics as self and family, education, work, human relationships, politics, and national attitudes. Includes practice in the etiquette of common social situations. Vocabulary reinforced through film and the reading of classical and contemporary fiction and history. Computer exercises on selected topics.

Note: See sectioning note above.

Prerequisite: Slavic A, Aab, Ac, or placement at the intermediate level. Familiarity with fundamentals of Russian grammar, particularly case endings of the noun, pronoun, and adjective. One year's practice in spoken Russian.

Slavic Ba. Intermediate Russian: First Term

Catalog Number: 0638

Vladimir Y. Gitin

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Covers the material of the first term of Slavic B.

Prerequisite: Slavic A, Aab, Ac, or placement at the intermediate level. One year's practice in spoken Russian.

Slavic Bab. Intermediate Russian (Intensive)

Catalog Number: 1657

Vladimir Y. Gitin and others.

Full course (fall term; repeated spring term). Meets eight hours per week. M.-F., at 9, with three additional hours of speaking practice M., W., F., at 1. EXAM GROUP: Fall: 2, 11; Spring: 11

Covers essentially the same material as Slavic B, but in one term. Readings may vary.

Note: See sectioning note above.

Prerequisite: Slavic A, Aab, Ac, or placement at the intermediate level.

Slavic Ca. Beginning Czech I

Catalog Number: 2173

Nora Hampl

Half course (fall term). M., W., F., at 10; and an additional hour for speaking practice to be arranged. EXAM GROUP: 3

An introductory course in modern Czech for students with no previous knowledge of the language. Emphasis on the development of oral proficiency as well as on reading and listening comprehension skills. Written work for practice and reinforcement. Reading of simple poetry and prose.

Slavic Cb. Beginning Czech II

Catalog Number: 7117

Nora Hampl

Half course (fall term; repeated spring term). M., W., F., at 10; and an additional hour for speaking practice to be arranged. EXAM GROUP: Fall: 4; Spring: 3

Continuation of modern Czech grammar and the further development of reading, writing, and oral skills. Reading and discussion of simple literary texts by Hasek, Capek, Havel, and Kundera.



***Slavic Cr. Supervised Readings in Intermediate/Advanced Czech**

Catalog Number: 0847

Curt F. Woolhiser and Nora Hampl

Half course (fall term; repeated spring term). Fall: M., W., at 2; M., W., at 12; Spring: M., W., at 12. EXAM GROUP: Fall: 7

Emphasis on reading with some practice in speaking and writing. Conducted as a tutorial based on student course proposals.

Note: Department application required. No applications accepted after the third day of classes. Interested students should contact Curt Woolhiser before the first day of class to apply.

Slavic Da. Beginning Polish I

Catalog Number: 8158

Anna Baranczak

Half course (fall term). M., W., F., at 9 and an additional hour for speaking practice to be arranged. EXAM GROUP: 2

Introduction to the fundamentals of Polish designed for students with no previous knowledge of the language. Emphasis on oral practice of essential grammar structures in naturally occurring conversational patterns. Reading and discussion of simple prose and/or poetry.

Slavic Db. Beginning Polish II

Catalog Number: 6907

Anna Baranczak

Half course (spring term). M., W., F., at 9 and an additional hour of speaking practice to be arranged. EXAM GROUP: 2

Continuation of Slavic Da. Continued work on Polish grammar with increasing emphasis on reading. Continued oral work and writing for practice and reinforcement.

***Slavic Dr. Supervised Readings in Intermediate/Advanced Polish**

Catalog Number: 1096

Curt F. Woolhiser and Anna Baranczak

Half course (fall term; repeated spring term). Hours to be arranged.

Emphasis on reading with some practice in speaking and writing. Conducted as a tutorial based on student course proposals.

Note: Department application required. Interested students should contact Curt Woolhiser before the first day of class to apply. No applications accepted after the third day of classes.

Slavic Ea. Beginning Bosnian, Croatian, and Serbian I

Catalog Number: 3163

Aida Vidan

Half course (fall term). M., W., F., at 9, and an additional hour for speaking practice to be arranged. EXAM GROUP: 2

An introductory course for students with no prior knowledge of these languages. Fundamentals of grammar; work on listening and reading comprehension. Students will choose Bosnian, Croatian, or Serbian for their oral and written work; listening and reading comprehension will include both variants.



Slavic Eb. Beginning Bosnian, Croatian, and Serbian II

Catalog Number: 2683

Aida Vidan

Half course (spring term). M., W., F., at 9, and an additional hour for speaking practice to be arranged. EXAM GROUP: 2

Continuation of Slavic Ea. Continued work on vocabulary expansion with further development of written and oral skills. Readings and discussion of simple or adapted poetry and prose.

***Slavic Er. Supervised Readings in Intermediate/Advanced Bosnian, Croatian, and Serbian**

Catalog Number: 7413

Curt F. Woolhiser and Aida Vidan

Half course (fall term; repeated spring term). Spring: Tu., at 10, F., at 12. EXAM GROUP: Spring: 5, 12

Emphasis on reading with some practice in speaking and writing. Conducted as a tutorial based on student course proposals.

Note: Department application required. No applications accepted after the third day of classes. Interested students should contact Curt Woolhiser before the first day of class to apply.

Slavic Ga. Beginning Ukrainian I

Catalog Number: 5536

Volodymyr Dibrova

Half course (fall term). M., W., F., at 9, and an additional hour for speaking practice to be arranged. EXAM GROUP: 2

Introduction to the fundamentals of Ukrainian designed for students with no previous knowledge of the language. Emphasis on oral practice of essential grammar structures in naturally occurring conversational patterns. Reading and discussion of simple prose and/or poetry. Writing for practice and reinforcement.

Slavic Gb. Beginning Ukrainian II

Catalog Number: 7126

Volodymyr Dibrova

Half course (spring term). M., W., F., at 9, and an additional hour for speaking practice to be arranged. EXAM GROUP: 2

Continuation of Slavic Ga. Continued work on Ukrainian grammar with further development of vocabulary, oral expression and comprehension. Readings of short stories and poems with discussion of texts in Ukrainian.

***Slavic Gr. Supervised Readings in Intermediate/Advanced Ukrainian**

Catalog Number: 1260

Curt F. Woolhiser and Volodymyr Dibrova

Half course (fall term; repeated spring term). Hours to be arranged.

Emphasis on reading with some practice in speaking and writing. Conducted as a tutorial based on student course proposals.

Note: Department application required. No applications accepted after the third day of classes. Interested students should contact Curt Woolhiser before the first day of class to apply.



Slavic 101. Advanced Intermediate Russian: Reading, Grammar Review, and Conversation

Catalog Number: 7234

Alfia A. Rakova and Natalia Pokrovsky

Half course (fall term; repeated spring term). Fall: M., W., F., at 1; Speaking Practice: Tu., Th., at 10 or 11; Spring: M., W., F., at 1 with two hours of speaking practice to be arranged. EXAM GROUP: 6

Continuing development of speaking and reading proficiency. Vocabulary work emphasizes verbs and verb government as essential to effective communication. Work on word formation to increase reading vocabulary. Texts for reading and discussion include works in prose, poetry, and film. Readings include a satirical tale by Shvartz, poetry of Akhmatova, and a film (Bykov's *Scarecrow*).

Note: See sectioning note above.

Prerequisite: Slavic B, Bab, Bb, or placement at this level.

Slavic 102. Advanced Russian: Introduction to the Language of History and the Media

Catalog Number: 3280

Curt F. Woolhiser and Patricia R. Chaput

Half course (fall term). T., Th., 1; Th., 12; and a fourth hour to be arranged. EXAM GROUP: 7, 14, 15

Introduction to the language of Russian newspapers, journals, historical writing, and TV programming. Basic vocabulary for areas of current interest, including politics, history, economics, political philosophy, and popular culture. Intended for students who desire a professional level of reading proficiency in the topic areas listed. Supplementary work on oral comprehension. One hour per week devoted to discussion of television and reading.

Note: See sectioning note above. Conducted largely in English.

Prerequisite: Slavic 101 or permission of instructor.

Slavic 103. Advanced Russian: Reading, Composition, and Conversation

Catalog Number: 8638

Natalia Pokrovsky and Natalia Reed

Half course (fall term; repeated spring term). M., W., F., at 11, and two additional hours of speaking practice Tu., Th., at 10 or 11. EXAM GROUP: 4

Continuing work on vocabulary and grammar centering on verbs and verb government. Readings include works by Chekhov and Dostoevsky, poetry, and film.

Note: See sectioning note above. Strongly recommended for students who plan to continue in Russian.

Prerequisite: Slavic 101 or placement at the 103 level.

[Slavic 104. Advanced Russian: Topics in Russian Culture]

Catalog Number: 0795

Natalia Pokrovsky

Half course (spring term). Hours to be arranged.

Through readings and film, we explore Russian cultural attitudes, including the individual in society, gender roles, prestige and success, truth and falsehood, and justice and the law.

Emphasis on vocabulary building and fluency through speaking practice and written compositions. Topics to take student interests into account.



Note: Expected to be given in 2007–08.

Prerequisite: Slavic 103, 113, or permission of instructor.

Slavic 105. Advanced Russian through Film - (New Course)

Catalog Number: 2035

Alfia A. Rakova

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

In close study of four Russian films of the 1980s and 1990s, this course explores topics in Russian culture through images and the language of personal interactions among characters. Continuing work on vocabulary building and fluency through speaking practice and written compositions.

Note: See sectioning note above.

Prerequisite: Slavic 103 or permission of the instructor.

Slavic 109. Theater Workshop

Catalog Number: 1221

Natalia Chirkov

Half course (fall term). Tu., Th., 2–4. EXAM GROUP: 16, 17

Intensive work on pronunciation, intonation, syntax, and vocabulary of spoken Russian using short plays of the 19th and 20th centuries as a vehicle for practice. Students prepare readings of plays and may stage one short piece. Written work to reinforce vocabulary and composition skills.

Note: See sectioning note above.

Prerequisite: Slavic 101 or permission of instructor.

***Slavic 111. Advanced Russian: Readings in Russian/Post-Soviet Studies**

Catalog Number: 1594

Natalia Pokrovsky and others

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Reading and discussion of topics in the areas of history, economics, politics, and current events. Continued work on grammar and vocabulary with written exercises and compositions. TV viewing for comprehension development.

Note: See sectioning note above.

Prerequisite: Slavic 101 and 102, Slavic 103, or placement at the level of Slavic 111/113.

***Slavic 112. Advanced Russian: Russian Press and Television**

Catalog Number: 3290

Natalia Pokrovsky

Half course (spring term). M., W., F., at 1, with an additional hour of TV viewing to be arranged. EXAM GROUP: 6

For students who already have experience reading Russian periodicals. Readings in and analysis of current topics and their presentation in the Russian press. Examination of the history of selected periodicals. Viewing of Russian news programs and analysis of language and content. Class conducted largely in Russian.

Note: See sectioning note above.



Prerequisite: Slavic 102 and an additional course at the level of Slavic 101 or above, or Slavic 111.

Slavic 113. Advanced Russian: Readings in Russian Literature I

Catalog Number: 0955

Natalia Pokrovsky

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

Reading and discussion of classic and contemporary Russian literature. Continued work on vocabulary expansion and composition. Written exercises for reinforcement. Readings from authors such as Gogol, Chekhov, Bulgakov, Pasternak, Brodsky, and Bitov.

Note: See sectioning note above.

Prerequisite: Slavic 103 or 104 or placement at this level or above.

[Slavic 114. Advanced Russian: Readings in Russian Literature II]

Catalog Number: 1317

Natalia Reed

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

Readings in Russian 19th- and 20th-century prose, works to be chosen in consultation with students. Continuing work on reading comprehension and discussion. Emphasis on vocabulary building and fluency through speaking practice and written compositions.

Note: Expected to be given in 2007–08.

Prerequisite: Slavic 104, 111, 113, or permission of the instructor.

Slavic 116. Stylistics

Catalog Number: 3480

Vladimir Y. Gitin

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

Examines different styles, identifies features in texts of different kinds, and interprets passages in literary texts used for stylistic effect. Writing exercises will focus on neutral style, vocabulary development, and phrasing. Intended for students who need a practical command of style and register in reading, speaking, and writing.

Prerequisite: Slavic 121.

[Slavic 118. Readings in Russian Poetry]

Catalog Number: 5356

Vladimir Y. Gitin

Half course (spring term). Hours to be arranged.

Analysis of selections from Russian poetry from the point of view of language, poetic context, and literary tradition. Selections take interests of students into account.

Note: Expected to be given in 2007–08.

Prerequisite: Slavic 121.

[*Slavic 119. Contemporary Issues: Nationalities of the Former Soviet Union]

Catalog Number: 0636

Curt F. Woolhiser

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6



The former Soviet Union as a multinational state, seen in its historical development and in the light of recent events. Questions of national identity and their political and academic consequences. Introduction to related demographic issues. Reading, discussion, composition, and supplementary written work, as needed.

Note: Expected to be given in 2007–08. See sectioning note above.

Prerequisite: Slavic 104, 111, 112, 117, or permission of the instructor.

***Slavic 120r. Supervised Readings in Advanced Russian**

Catalog Number: 7121

Patricia R. Chaput and Curt F. Woolhiser

Half course (fall term; repeated spring term). Hours to be arranged.

Intended for students who have already taken other department offerings. Reading, discussion, and writing on special topics not addressed in other courses. Conducted as a tutorial. Requires a course proposal to apply; acceptance is not automatic.

Note: See sectioning note above. Interested students should contact Professor Chaput before the first day of class to apply. No applications accepted after the third day of classes.

[Slavic 121. Advanced Russian: Reading Literary Texts]

Catalog Number: 4812

Vladimir Y. Gitin

Half course (fall term). M., W., 1–3. EXAM GROUP: 6, 7

A course designed to further develop students' sensitivity to the reading of literary texts. Topics include the nature of lexical meaning including meaning associations, syntactic meaning, aspects of morphology, word order and intonation, and colloquial language. Texts include both prose and poetry.

Note: Expected to be given in 2007–08. Primarily for graduate students in the Slavic Department. See sectioning note above.

Prerequisite: Slavic 103 or placement at this level or above.

Slavic Literature, Culture, and Philology

Primarily for Undergraduates

***Slavic 91r. Supervised Reading and Research**

Catalog Number: 2713

Justin Weir and others

Half course (fall term; repeated spring term). Hours to be arranged.

Note: A graded course. Permission must be obtained from the Director of Undergraduate Studies and the instructor under whom the student wishes to study.

***Slavic 96. Tutorial — Sophomore Year**

Catalog Number: 4728

Justin Weir and others

Half course (spring term). W., 2–4.

Note: For concentrators in Russian Literature and Culture.



***Slavic 97. Tutorial — Sophomore Year**

Catalog Number: 7595

Justin Weir and others

Full course. Fall: Th., 2–4; Spring: W., 2–4.

Note: For concentrators in Russian Studies.

***Slavic 98. Tutorial—Junior Year**

Catalog Number: 1684

Stephanie Sandler (fall term) and Svetlana Boym (spring term)

Full course. Th., 2–4.

Note: Required of junior concentrators in Russian Literature and Culture. Other students may enroll for one or both terms.

***Slavic 99r. Tutorial — Senior Year**

Catalog Number: 5592

Justin Weir and others

Full course. Hours to be arranged.

Note: May be divided upon petition. Students who wish to enroll must obtain the signature of the Director of Undergraduate Studies. If, for any reason, students do not submit an honors thesis, they must hand in a special course paper in order to receive credit for Slavic 99 in the spring term.

Cross-listed Courses

***Freshman Seminar 30z. From Russia with Love**

***Freshman Seminar 31e. Chronicles of the Tyrants: The Dictator and the Novel - (New Course)**

***Freshman Seminar 31q. Nation, Empire, and Literature - (New Course)**

***Freshman Seminar 36j. The Rural Other: Peasants in the Literary Imagination - (New Course)**

***Freshman Seminar 37t. Poems, Films, States of Mind**

For Undergraduates and Graduates

Slavic 125. Modern Russian in Historical Perspective

Catalog Number: 5646

Lenore A. Grenoble (Dartmouth College)

Half course (fall term). W., 11–1. EXAM GROUP: 4, 5

Analysis of apparent exceptions and oddities in the phonology, morphology, and syntax of contemporary Russian through the prism of historical changes and developments.

Prerequisite: Slavic B, Bab, or placement at the third-year level.

[Slavic 126a. Structure of Modern Russian: Phonology and Morphology]

Catalog Number: 3083

Half course (spring term). Hours to be arranged.



Introduction to Russian phonetics, phonemics, morphophonemics, and inflectional and derivational morphology. Course goal is to give a deeper understanding and appreciation of the regularities and complexities of Russian through a close study of its sounds and words.

Note: Expected to be given in 2007–08.

Prerequisite: Slavic B, Bab or placement at the third-year level. No knowledge of linguistics required.

Slavic 137. Prague Between Two Empires: Czech Culture from 1914 to 1948

Catalog Number: 9805

Jonathan H. Bolton

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

Introduction to the interplay of modernism and nationalism in Czech culture (literature, journalism, film, art, architecture), focusing on the interwar renaissance and Nazi occupation from 1939 to 1945. Examines how writers negotiated between the demands of aesthetics and politics, articulating a Czechoslovak identity while participating in the main currents of European modernism, from dadaism and expressionism through surrealism and existentialism. Readings include Kafka, Milena Jesenska, Hasek, Capek, Olbracht, Seifert, Nezval, Jiri Langer, and others.

Note: All readings in English. No prior knowledge of Czech literature or history necessary. Students who wish to read Czech texts in the original may arrange a special section with the instructor.

[Slavic 139. Literature and Politics in Prague: Czech Culture from 1948 to the Present]

Catalog Number: 9695

Jonathan H. Bolton

Half course (spring term). Hours to be arranged.

From the Communist coup in 1948 to the Prague Spring in 1968 to the Velvet Revolution of 1989, Czech writers have never strayed far from political life. This course examines the complicated negotiations between artists and the regimes trying to control them, with readings from Kundera, Havel, Hrabal, and others. Topics include legal and illegal literary institutions (censorship, writers' unions, samizdat); underground and exile writers; Charter 77 and the dissidents; experiences of democracy after 1989.

Note: Expected to be given in 2007–08. All readings in English. No prior knowledge of Czech literature or history is necessary. Students who wish to read Czech texts in the original may arrange a special section with the instructor.

Slavic 140. 18th-Century Russian Literature: Conference Course

Catalog Number: 6495

Alexander Levitsky (Brown University)

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Survey of period literature from the Baroque times to the first decades of the 19th century. Discussion of major literary movements and genres; problems of periodization; cultural practices within the courtly, private, and religious spheres; the pastoral, erotic, and utopian themes; European models (including masonic) for Russian literary production. Focuses especially on the beginnings of modern Russian prosody and ends with an elaboration of the poetic legacy of G. R. Derzhavin.



Note: Expected to be omitted in 2007–08.

Prerequisite: Good reading knowledge of Russian.

[Slavic 145a. Russian Literature in Translation: The 19th-Century Tradition]

Catalog Number: 5191

Half course (spring term). Hours to be arranged.

A survey of major works, chiefly fiction, from Pushkin through Dostoevsky, Tolstoy, and Chekhov.

Note: Expected to be given in 2007–08. All readings in English.

[Slavic 145b. Russian Literature and Revolution]

Catalog Number: 6663

Justin Weir

Half course (spring term). Hours to be arranged.

Examines the 20th-century Russian literary tradition and its attempts alternately to inspire, record, and undermine the great social upheaval of October 1917. Considers a broad range of modernist literary genres and movements and the official aesthetics of socialist realism. Works by Babel, Bely, Blok, Bulgakov, Gorky, Kataev, Kharms, Mandelstam, Mayakovsky, Nabokov, Olesha, Pasternak, Platonov, and Solzhenitsyn.

Note: Expected to be given in 2007–08. All readings in English.

[Slavic 148. Strange Russian Writers]

Catalog Number: 7101

Stephanie Sandler

Half course (fall term). Hours to be arranged.

Studies tales of rebels, deviants, dissidents, loners, and losers. Mostly fictional texts, with some memoir and poetry, by writers whose projected self-image is self-consciously idiosyncratic, if not bizarre. Includes works by Gogol, Dostoevsky, Leskov, Kharms, Platonov, Nabokov, Sinyavsky, Petrushevskaya, Brodsky. The goal is less to construct a canon of strangeness than to consider how estranged women, men, animals, and objects become the center of narrative or poetic attention.

Note: Expected to be given in 2008–09. All readings in English.

[Slavic 150. One Writer](#)

Catalog Number: 7644

John E. Malmstad

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Topic for 2006–07: The Short Prose Fiction of Nikolai Gogol. Primary emphasis on close reading with some attention to the development of the critical legacy.

Note: Readings in Russian, discussion in English.

Prerequisite: Slavic 101 or its equivalent, and above.

[Slavic 152. Pushkin](#)

Catalog Number: 8023

William Mills Todd III



Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

A survey of the lyrics, narrative poems, fiction, and critical prose of Russia's "national poet." Close reading of the texts; attention to contemporary cultural issues. Lecture and discussion.

Prerequisite: Good reading knowledge of Russian.

[Slavic 153. Short Russian Prose]

Catalog Number: 1743

John E. Malmstad

Half course (fall term). Hours to be arranged.

Readings in Russian short forms from Gogol to Nabokov. Primary emphasis on close reading.

Note: Expected to be given in 2007–08. Readings in Russian, discussion in English.

Prerequisite: Slavic 101 or its equivalent, and above.

[Slavic 155. Dostoevsky]

Catalog Number: 6850 Enrollment: Limited to 20.

William Mills Todd III

Half course (fall term). Hours to be arranged.

Reading of Dostoevsky's major works, with a view to showing how the problems they contain (social, psychological, political, metaphysical) are inseparable not only from his time but from the distinctive novelistic form he created.

Note: Expected to be given in 2007–08. No knowledge of Russian required.

[Slavic 156. Vladimir Nabokov: A Cross-Cultural Perspective]

Catalog Number: 8650

Svetlana Boym

Half course (spring term). Hours to be arranged.

Examines Nabokov's poetry, fiction, film scripts, and essays from Russian, European and American periods. Attention to issues of literary modernism, cultural translation and memory. Additional readings from Chekhov, Proust, Bergson, Borges, and others.

Note: Expected to be given in 2007–08.

[Slavic 157. Tolstoy]

Catalog Number: 2005

Justin Weir

Half course (spring term). Hours to be arranged.

Tolstoy's development as a writer and thinker, beginning with his early diaries and progressing through the great novels, *War and Peace* and *Anna Karenina*, to the late stories and plays.

Examines Tolstoy's work in light of recent critical approaches to authorship, artistic biography, literary canon, 19th-century notions of sexuality and morality. How has Tolstoy been variously interpreted in Russian, Soviet, and Western-humanistic contexts? How did Tolstoy view his own work at various points in his life?

Note: Expected to be given in 2008–09. No knowledge of Russian required.

[Slavic 158. Women/Poets]

Catalog Number: 3895

Joanna Nizynska and Stephanie Sandler



Half course (spring term). Hours to be arranged.

How have twentieth-century women changed poetry? How have they found new readers? Concentrates on Russian, Polish, and American poets, among them Akhmatova, Tsvetaeva, Shvarts, Lipska, Kamienska, Szymborska, Plath, Graham, Dove, Howe, Guest. Explores their acts of self-fashioning and linguistic performance, and the forms of staged reticence and resistance in their work. Attention to feminist and other theory, with an emphasis on connections among national cultures.

Note: Expected to be given in 2008–09. All texts available in English translation.

[Slavic 159. Approaches to Tolstoy]

Catalog Number: 4018

Julie A. Buckler and Justin Weir

Half course (spring term). Hours to be arranged.

Tolstoy and his major fiction from diverse cultural and theoretical perspectives. To what extent do the texts themselves seem to invite such approaches?

Note: Expected to be given in 2007–08.

Prerequisite: Slavic 101 or an equivalent acceptable to instructor.

[Slavic 162r. Polish Literature from 1945 to 1989](#)

Catalog Number: 8395

Anna Baranczak

Half course (spring term). M., W., at 12. EXAM GROUP: 5

Introduction to Polish post-war literature. Close reading in the original of selected works from the Nazi-deathcamp stories of Borowski, literature written in exile (Gombrowicz, Wat), plays by Mrozek to poetry of Bialoszewski, Herbert, Milosz, Szymborska, “Generation 68,” and documents from the Office of Censorship. Focus on writer’s responses to literary tradition, literary and political institutions (official and underground), and sociopolitical reality.

Introduction to films by Wajda based on Polish literature and history after the war.

Prerequisite: Reading knowledge of Polish.

[Slavic 165. Survey of 19th-Century Ukrainian Literature](#)

Catalog Number: 0410

George G. Grabowicz

Half course (fall term). M., 1–3, and a third hour for those who wish to consider the texts in the original. EXAM GROUP: 6, 7

An introduction to Ukrainian literary and intellectual culture, from pre-Romanticism to Modernism. Readings from Kotljarevs’kyj, Shevchenko, Kulish, Drahomanov, Franko, Lesja Ukrajinka, Kociubyns’kyj, and Stefanyk.

Note: No knowledge of Ukrainian required.

[Slavic 166. Russian-Ukrainian Literary Relations in the 19th Century: Conference Course]

Catalog Number: 3513

George G. Grabowicz

Half course (fall term). Hours to be arranged.

Examines Russian-Ukrainian literary relations from 1798 to 1905, with special focus on canon



formation, ethnic, national and imperial identity, and the interrelation of literature, society, and ideology. Topics include Decembrist historicism, Romantic poetics and folklore, Slavophilism and populism, literature as subversion (kotljarevshchyna), the uses of translation, the reception of major writers (Gogol, Shevchenko, and others), and the imperial attempt to suppress “Ukrainophilism.”

Note: Expected to be given in 2007–08.

Prerequisite: Reading knowledge of Russian or Ukrainian.

[Slavic 168. Survey of 20th-Century Ukrainian Literature]

Catalog Number: 2079

George G. Grabowicz

Half course (spring term). Hours to be arranged.

An introduction to the major writers and developments in pre-Soviet, Soviet, émigré and post-Soviet Ukrainian literature. Special focus on representative works from Mynnychenko, Tychna, and Xvyl’ovyj, to the émigré avant-garde and the post-modernists.

Note: Expected to be given in 2007–08.

Prerequisite: Reading knowledge of Ukrainian.

[Slavic 169. 20th-Century Ukraine: Literature, Arts, and Society]

Catalog Number: 4126

George G. Grabowicz

Half course (spring term). Hours to be arranged.

Examines main currents in Ukrainian intellectual and cultural expression from the eve of the Russian Revolution, through the formation and dissolution of the USSR, to the "Orange Revolution" (2004). Topics include populism vs. modernism, nationalism vs. socialism, Literary Discussion of the 1920s, Stalinism, Glasnost, linguistic, and national identity. Focus on literature, film (Dovzhenko, Paradzhanov, Illienko), and theater (Kurbas); guest lectures on music and art.

Note: Expected to be given in 2007–08. Readings in English. Films subtitled.

[Slavic 170. Polish Literature from 1945 to the Present]

Catalog Number: 5555

Joanna Nizynska

Half course (fall term). Hours to be arranged.

This introductory course on Polish literature and culture during the Communist and post-Communist period focuses on the interplay between literature and political ideology. Topics include private and public spaces, the "burden of Polishness," "local homelands," and the configuration of material and consumerist culture. Readings from Rozewicz, Konwicki, Milosz, Mrozek, Tokarczuk, Huelle, Tryzna, Podsiadlo, and others.

Note: Expected to be given in 2007–08. Readings in English. Students who wish to work in the Polish original may arrange a special section with the instructor.

[Slavic 171. Russian-American Reelism: Chekhov, Stanislavsky, and Hollywood Film Acting](#)

Catalog Number: 3253

Cole M. Crittenden

Half course (spring term). M., W., at 12. EXAM GROUP: 5



Examines the Russian roots of Hollywood film acting. Includes Chekhov's major plays and Stanislavsky's system of acting them, and traces the influence of this artistic synthesis in America, first in New York theater and then in Hollywood films, where "method" acting still dominates.

Note: All readings in English.

Slavic 172. Two Times Two Is Five: Rationality and Irrationality in Russian Literature - (New Course)

Catalog Number: 5507

Edyta M. Bojanowska

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

What are the limits of reason? How much is it counterbalanced by emotion, faith, sexuality, and violent impulses? Is the world essentially ordered or chaotic? Can humans order and subdue nature with the help of reason? We will trace how the classic texts of 19th- and 20th-century Russian literature pose these questions while exploring various conceptions of the individual, society, history, science, and art.

Note: All readings in English.

[Slavic 173. Polish Romanticism] - (New Course)

Catalog Number: 2240

George G. Grabowicz

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Overview of the major artistic and intellectual trends and close reading of key works by the major writers: Malczewski, Mickiewicz, Slowacki, Krasinski, and others. Focus also on the central role of Romanticism in Polish culture.

Note: Expected to be given in 2007–08.

Prerequisite: Reading knowledge of Polish.

[Slavic 174. Romantic Word, Romantic Deed: Conference Course]

Catalog Number: 1188

Joanna Nizynska

Half course (fall term). Hours to be arranged.

Were Romantic writers fashioning new identities—or compensating for political failures? How did redemptive narratives of such Polish writers as Mickiewicz and Slowacki shape the national identity of their readers? Focuses on Romantic literature's complex aspirations to social, political, and historical critique and explores how the national idiosyncrasies of Polish Romantic literature reflected (and clashed with) the larger philosophical and aesthetic principles of the era proposed by Kant, Hegel, Athenaeum, Wordsworth, Byron, and Coleridge.

Note: Expected to be given in 2007–08. All readings in English. Students who wish to work in the Polish original may arrange a special section with the instructor.

[Slavic 175. Romantic Anxieties: Legacy of Romanticism in Polish Poetry]

Catalog Number: 6172

Joanna Nizynska

Half course (spring term). Hours to be arranged.

Traces the direct and indirect responses in 20th-century Polish poetry to Poland's Romantic



heritage. Explores complex modes of relating to, transforming, or rebelling against this legacy, including the Romantic view of poetry as a political force and the poet as the voice of the community. Readings from Milosz, Herbert, Baranczak, Zagajewski, and others to be analyzed vis-à-vis Poland's historical and political idiosyncrasies.

Note: Expected to be given in 2007–08. All readings in English. Students who wish to work in the Polish original may arrange a special section with the instructor.

[Slavic 178. Trauma: Representation, Theory, Experience: Conference Course]

Catalog Number: 9125

Joanna Nizynska

Half course (fall term). Hours to be arranged.

Can literature—or film—convey the experience of trauma? What are its symptoms and what do such different experiences as psychological abuse and the Holocaust share that lets them both be called trauma? Texts from Borowski, Chwin, Caruth, Celan, Freud, LaCapra, Vonnegut and films by Polanski and Kieslowski help us consider the complexities of historical and structural trauma, the transposition of the traumatic into narrative, and the formation of individual and cultural memory.

Note: Expected to be given in 2007–08. All readings in English translation. All films subtitled.

[Slavic 180. Russian Symbolist Poetry]

Catalog Number: 6333

John E. Malmstad

Half course (fall term). Hours to be arranged.

An introduction to the major figures and concerns of the Russian Symbolist movement. Concentration on poetry, but with attention to other genres (fiction, drama, and essays).

Note: Expected to be given in 2007–08.

Prerequisite: Slavic 101 or an equivalent acceptable to instructor.

[Slavic 181. Russian Poetry of the 19th Century]

Catalog Number: 3307

John E. Malmstad

Half course (fall term). Hours to be arranged.

The major themes and modes of Russian poetry from pre-Romanticism to “pure art.” Selections from Zhukovsky, Batiushkov, Baratynsky, Yazykov, Lermontov, Tiutchev, Nekrasov, Fet, and others.

Note: Expected to be given in 2007–08.

Prerequisite: Slavic 101 or an equivalent acceptable to instructor.

[Slavic 182. Problems in 20th-Century Poetry: Conference Course](#)

Catalog Number: 3489

John E. Malmstad

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

An examination of the poetry and poetics of three writers—Annensky, Kuzmin, and Khodasevich—whose works raise questions about the validity and usefulness of the ways in which scholarship categorizes early 20th-century poetry in terms of “isms” like Symbolism and



Acmeism.

Prerequisite: Slavic 101 or an equivalent acceptable to the instructor.

[Slavic 192 (formerly Slavic 179). Literature as Institutions: Conference Course]

Catalog Number: 6120 Enrollment: Limited to 15.

William Mills Todd III

Half course (fall term). Hours to be arranged.

A study of literary production, dissemination, and reception in selected periods of Russian literature from the Middle Ages to the present. Readings in social theory, cultural studies, literary criticism, and imaginative literature.

Note: Expected to be given in 2007–08. Open to advanced undergraduates and graduates.

Students must pick up a syllabus in Barker 374 before the term begins, as there will be a brief assignment for the first class meeting.

Slavic 195. Myths of Central Europe after World War II: Conference Course

Catalog Number: 4701

Jonathan H. Bolton

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

For Milan Kundera, Central Europe was the kidnapped conscience of the West; for Gyorgy Konrad it was “a subversive dream,” for Josef Kroutvor a “melancholy grotesque.” Considers major authors (Kundera, Kis, Milosz, Havel, Manea, Albahari) and key motifs and situations (war, Nazi and Soviet occupations, interrogation, censorship, dissidents, “anti-politics,” and transition to capitalism) that have defined a “Central European” literature and identity in Austria, Czechoslovakia, Poland, Hungary, Romania, and Yugoslavia since World War II.

Note: All readings in English.

Slavic 196. Literature and Nationalism in Central Europe: Conference Course - (New Course)

Catalog Number: 1449

Jonathan H. Bolton

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

The construction of national identity through literature and historical writing in 19th-century Central Europe, with special attention to the Czech National Awakening, and comparative study of Germany, Britain, and other regions. Themes include adaptations of German Romanticism; cultural vs. political nationalism; ballads, fairy tales, and novels as “carriers” of national identity; the use and abuse of history; “bardic nationalism” and “national poets”; Jews and excluded groups; orality and literacy; imperial vs. national identities within Austria-Hungary.

Note: All readings in English.

Cross-listed Courses

Foreign Cultures 72. Russian Culture from Revolution to Perestroika

Linguistics 110. Introduction to Linguistics

Literature 102. On Narrative - (New Course)

[*Literature 128. Performing Texts]

[Literature 160 (formerly Comparative Literature 160). Literary Forgeries and



Mystifications]

[Literature and Arts A-45. Theories of Authorship: Russian Case Studies](#)

[Literature and Arts C-28. Icon-Ritual-Text: Reading the Culture of Medieval Rus'](#)

[Literature and Arts C-30. How and What Russia Learned to Read: The Rise of Russian Literary Culture](#)

[Literature and Arts C-50. Russian Imperial Masterworks and Their Post-Histories]

[Literature and Arts C-51. Revolution and Reaction: The Rise and Fall of the Russian Avant-Garde]

[Visual and Environmental Studies 184. Imagining the City: Literature, Film, and the Arts]

Primarily for Graduates

[Slavic 201. Introduction to East Slavic Languages]

Catalog Number: 5134

Half course (spring term). Hours to be arranged.

Introduction to the structure and history of Russian, Ukrainian, and Belarusian.

Note: Expected to be given in 2007–08.

Prerequisite: Linguistics 250.

[Slavic 202. Introduction to West Slavic Languages]

Catalog Number: 6877

Michael S. Flier

Half course (fall term). Hours to be arranged.

Introduction to the structure and history of Czech, Polish, Slovak, and Sorbian.

Note: Expected to be given in 2008–09.

Prerequisite: Linguistics 250. Reading knowledge of a West Slavic language desirable.

[Slavic 203. Introduction to South Slavic Languages]

Catalog Number: 1665

Half course (spring term). Hours to be arranged.

Introduction to the structure and history of Slovene, Croatian, Serbian, Macedonian, and Bulgarian.

Note: Expected to be given in 2007–08. Reading knowledge of a South Slavic language desirable.

Prerequisite: Linguistics 250.

[Slavic 205. History of the Russian Literary Language - \(New Course\)](#)

Catalog Number: 8876

Lenore A. Grenoble (Dartmouth College)

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

The development of different varieties of the written language from Kievan Rus to modern Russian focusing on linguistic and socio-cultural aspects, primarily through readings of selected medieval and early modern texts and related scholarly literature.

Prerequisite: Linguistics 250.



Slavic 223. 19th-Century Ukrainian Poetry

Catalog Number: 2097

George G. Grabowicz

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

A survey of the major poets: Kotljarevs'kyj, Hulak and the pre-Romantics, Shevchenko, Kulish, Rudans'kyj, Franko, and Lesja Ukrajinka.

Prerequisite: Reading knowledge of Ukrainian.

Slavic 269. Structure of Russian for Instructors

Catalog Number: 7807

Patricia R. Chaput

Half course (spring term). F., 2–4. EXAM GROUP: 7, 8

Survey of the structures and rules of Russian from the viewpoint of the instructor. Linguistic description, translation into pedagogical form, formulation at different levels of study, questions of usage, changing norms. Includes practice in difficult constructions.

[Slavic 280r. Slavic Culture: Seminar]

Catalog Number: 1909

Michael S. Flier

Half course (spring term). Hours to be arranged.

Topic for 2005-06: The Culture of Medieval Rus': Art, architecture, ritual, literature.

Note: Expected to be given in 2008–09.

Slavic 281. Literature, Film, and Visual Arts in Russia, 1920-1930

Catalog Number: 1058

Svetlana Boym

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Examines poetry, prose and visual arts together with cultural theory. Explores issues of innovation and cultural memory, art and politics, bilingualism and exile. Works by Mayakovsky, Malevich, Mandelshtam, Tsvetaeva, Babel, Shklovsky, Nabokov, Vertov, and Eisenstein.

Note: Most texts available in English. Open to qualified undergraduates.

Prerequisite: Reading knowledge of Russian.

[Slavic 282 (formerly Slavic 141). Literature, Film, and Visual Art in Contemporary Russia]

Catalog Number: 1286

Svetlana Boym

Half course (spring term). Hours to be arranged.

Examines the culture of the post-Stalinist period from Socialist realism to post-communism. Works of literature, film, visual art are discussed together with cultural theory. Topics: rewriting of history, utopia and kitsch, unofficial art and mass culture.

Note: Expected to be given in 2007–08. Most materials also available in English. Open to qualified undergraduates.

Prerequisite: Reading knowledge of Russian.



[Slavic 285r. Modern Russian Literature: Seminar]

Catalog Number: 5182

John E. Malmstad

Half course (spring term). Hours to be arranged.

Topic for 2005–06: The culture of Russian avant-garde.

Note: Expected to be given in 2007–08.

Prerequisite: Slavic 101 or an equivalent acceptable to the instructor.

[Slavic 287. Poetic Self-Creation in 20th-Century Russia: Seminar](#)

Catalog Number: 8028

Stephanie Sandler

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Examines how poems create self-images for poets working in and after Russian modernism, including Khlebnikov, Mandel'shtam, Tsvetaeva, Zabolotskii, Petrovykh, Brodsky, Sedakova, Shvarts, Iskrenko, Zhdanov, and Dragomoshchenko. Relies on literary and psychoanalytic theories of identity.

Note: Open to qualified undergraduates with permission of instructor.

Prerequisite: Reading knowledge of Russian required.

[Slavic 288. Sex, Self, and Russia: Conference Course]

Catalog Number: 0106

Stephanie Sandler

Half course (spring term). Hours to be arranged.

Explores ideas of sexuality, identity, and desire in the cultural debates and creative psyches of modern Russian literary figures and filmmakers. Also serves as an introduction to feminist and psychoanalytic approaches to culture.

Note: Expected to be given in 2008–09. Open to qualified undergraduates.

Prerequisite: Slavic 101 or its equivalent.

[Slavic 291. Problems in the History of Early Ukrainian Literature]

Catalog Number: 0643

George G. Grabowicz

Half course (spring term). Hours to be arranged.

Examines Kievan and early Ukrainian literature. Topics include the system of genres of Kievan literature, the Renaissance and interaction with Polish literature, the confraternities, Vyshens'kyj, the Baroque, the Mohyla Academy, Skovoroda.

Note: Expected to be given in 2007–08.

Prerequisite: Reading knowledge of Ukrainian.

[Slavic 292. 20th-Century Ukrainian Prose]

Catalog Number: 5733

George G. Grabowicz

Half course (spring term). Hours to be arranged.

A survey of Ukrainian prose focusing on the avant-garde of the 1920s-1940s (Khvyl'ovyj, Johansen, Domontovych, Kosach) and the most recent period (Andijevs'ka, Andrukhovych, Izdryk and others).



Note: Expected to be given in 2007–08.

Prerequisite: Reading knowledge of Ukrainian.

[Slavic 295. The Language of Medieval Novgorod: Seminar]

Catalog Number: 3912

Michael S. Flier

Half course (fall term). Hours to be arranged.

Consideration of the phonological, morphological, syntactic, and lexical peculiarities of the Old Novgorod dialect in light of the historical development of East and West Slavic. Particular attention to the evidence from the Novgorod birchbark documents (11th–15th centuries).

Note: Expected to be given in 2008–09.

Prerequisite: Linguistics 250, 252, and Slavic 201.

[Slavic 296r. Slavic Linguistics: Seminar]

Catalog Number: 5196

Half course (spring term). Hours to be arranged.

Topic for 2004-05: Comparative Slavic Morphosyntax. Covers important issues in Slavic morphosyntax, including case, word order, interpretive effects, negation, interrogativity, indefiniteness, WH-movement, anaphora, null subjects, predication, and voice. Compares Slavic behavior to behavior of non-Slavic languages.

Note: Expected to be given in 2007–08. Students are expected to choose a Slavic language and present data relating to the given topic.

Prerequisite: Linguistics 112a or its equivalent (112b preferred) or permission of instructor. Knowledge of a Slavic language helpful but not required.

***Slavic 299. Proseminar**

Catalog Number: 7972

Justin Weir

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Introduction to graduate study in Slavic. Selected topics in literary analysis, history, and theory.

Note: Open to qualified undergraduates with permission of the instructor.

Cross-listed Courses

***Comparative Literature 261. Memory and Modernity: Seminar**

[*Comparative Literature 262. Aesthetics and Freedom]

[Comparative Literature 273. Approaches to Modernity: The Metropolis]

Comparative Literature 275. Theory of Narrative: Conference Course

Linguistics 250. Old Church Slavonic

[Linguistics 252. Comparative Slavic Linguistics]

Graduate Courses of Reading and Research

***Slavic 300. Direction of Doctoral Dissertations**

Catalog Number: 4477



Jonathan H. Bolton 4892, Svetlana Boym 1926 (on leave 2007-08), Julie A. Buckler 2960, Patricia R. Chaput 6222, Michael S. Flier 2878, George G. Grabowicz 4511, John E. Malmstad 1219 (on leave spring term), Joanna Nizynska 4891 (on leave 2006-07), Stephanie Sandler 1343, William Mills Todd III 1634, and Justin Weir 3407

***Slavic 301. Reading and Research**

Catalog Number: 3385

Jonathan H. Bolton 4892, Svetlana Boym 1926 (on leave 2007-08), Julie A. Buckler 2960, Patricia R. Chaput 6222, Michael S. Flier 2878, George G. Grabowicz 4511, John E. Malmstad 1219 (on leave spring term), Joanna Nizynska 4891 (on leave 2006-07), Stephanie Sandler 1343, William Mills Todd III 1634, and Justin Weir 3407

***Slavic 302. Language Teaching: Content and Conduct**

Catalog Number: 5961

Patricia R. Chaput 6222

Half course (fall term). Hours to be arranged.

Required in the first year of language teaching. Includes orientation, discussion of topics in teaching language at the college level, and supervised teaching.

Social Policy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Social Policy

Jeffrey B. Liebman, Professor of Public Policy (*Kennedy School*) (*Chair*)

Jennifer L. Hochschild, Henry LaBarre Jayne Professor of Government and Professor of African and African American Studies

Christopher Jencks, Malcolm Wiener Professor of Social Policy (*Kennedy School*)

William Julius Wilson, Lewis F. and Linda L. Geyser University Professor

Christopher Winship, Diker-Tishman Professor of Sociology

Other Faculty Offering Instruction in Social Policy

Mary C. Brinton, Reischauer Institute Professor of Sociology

Peter A. Hall, Krupp Foundation Professor of European Studies

Torben Iversen, Harold Hitchings Burbank Professor of Political Economy

Michèle Lamont, Robert I. Goldman Professor of European Studies and Professor of Sociology and of African and African American Studies (*on leave 2006-07*)

Robert D. Putnam, Peter and Isabel Malkin Professor of Public Policy (*on leave 2006-07*)



Robert J. Sampson, Henry Ford II Professor of the Social Sciences (*on leave spring term*)
Theda Skocpol, Victor S. Thomas Professor of Government and Sociology and Dean of the
Graduate School of Arts and Sciences
Mary C. Waters, M. E. Zukerman Professor of Sociology
Martin K. Whyte, Professor of Sociology
Julie Boatright Wilson, Harry S. Kahn Senior Lecturer on Social Policy (*Kennedy School*)

This program awards two different degrees: the PhD in Government and Social Policy and the PhD in Sociology and Social Policy. Both of these programs are joint degrees that provide students a thorough grounding in one of these two traditional disciplines and then move them into a series of interdisciplinary seminars on social policy based at the Kennedy School of Government. Students submit applications for admission to the Committee on Higher Degrees in Social Policy, which must be accepted as well by the admissions committee of either the Department of Government or the Department of Sociology. From the very beginning of their graduate careers, then, students are taught and supervised by faculty from government, sociology and the Malcolm Wiener Center for Social Policy in the Kennedy School.

This degree is intended for students who have central interests in problems of economic inequality; segregation; poverty; changing family structure; immigration, race, and labor market segmentation; educational inequality; and historical and comparative studies of inequality in the US and abroad (especially Western Europe). It will be of particular interest for students who wish to combine solid training in the fundamental theoretical perspectives and methodological traditions of either government or sociology with advanced study of policy responses to these social problems. Students who would like the flexibility to pursue careers in departments of sociology or government, in schools of public policy, and in policy and other non-profit organizations may find these joint degrees especially suitable.

Students in the joint degree programs are eligible to apply for the Multidisciplinary Program on Inequality and Social Policy at the end of their first year of study. This training and fellowship program provides for summer institutes, research apprenticeships, and a variety of other opportunities. Please see the website www.ksg.harvard.edu/inequality for more details.

Applications for admission to the PhD programs in Social Policy may be obtained from the Graduate School of Arts and Sciences, Admissions Office, Byerly Hall, 2nd Floor, 8 Garden Street, Cambridge, MA 02138. Further information about the joint degree programs may be obtained from the program website (www.ksg.harvard.edu/socialpol). Questions or requests for additional printed materials should be directed to Pamela Metz, Director, via e-mail (socialpolicy@harvard.edu) or correspondence addressed to her attention at the Kennedy School of Government, 79 John F. Kennedy Street, Cambridge, MA 02138.

Graduate Courses of Reading and Research

***Social Policy 300. Reading and Research**

Catalog Number: 6290

Members of the Committee



***Social Policy 301. Research and Social Policy Seminar**

Catalog Number: 3704

Jeffrey B. Liebman (Kennedy School) 3129

Half course (fall term; repeated spring term). Hours to be arranged.

Presentation of dissertation prospectus or chapters-in-progress in a seminar/workshop format.

Required of doctoral candidates in Social Policy.

***Social Policy 302. Doctoral Dissertation Research**

Catalog Number: 9707

Members of the Committee

Cross-listed Courses

[*Government 2340. Proseminar on Inequality and Social Policy II](#)

[*Sociology 296a. Proseminar on Inequality and Social Policy I](#)

[*Sociology 307. Workshop on Inequality and Social Policy III](#)

Social Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Social Studies

Richard Tuck, Frank G. Thomson Professor of Government (*Chair*)

David R. Armitage, Professor of History (*on leave 2006-07*)

Anya Bernstein, Senior Lecturer on Social Studies (*Director of Studies*)

Mariko Chang, Associate Professor of Sociology and of Social Studies (*fall term only*)

John H. Coatsworth, Monroe Gutman Professor of Latin American Affairs, Harvard College Professor (*on leave 2006-07*)

Richard N. Cooper, Maurits C. Boas Professor of International Economics

Kimberly McClain DaCosta, Associate Professor of African and African American Studies and of Social Studies

Peter E. Gordon, Professor of History

Peter A. Hall, Krupp Foundation Professor of European Studies

Michael Herzfeld, Professor of Anthropology (*on leave spring term*)

Michael J. Hiscox, Professor of Government (*on leave fall term*)

Engseng Ho, Frederick S. Danzinger Associate Professor of Anthropology and of Social Studies

Stanley Hoffmann, Paul and Catherine Buttenwieser University Professor

James T. Kloppenberg, David Woods Kemper '41 Professor of American History, Harvard College Professor (*on leave 2006-07*)



Michael R. Kremer, Gates Professor of Developing Societies
Michèle Lamont, Robert I. Goldman Professor of European Studies and Professor of Sociology and of African and African American Studies (*on leave 2006-07*)
Steven R. Levitsky, John L. Loeb Associate Professor of the Social Sciences
Charles S. Maier, Leverett Saltonstall Professor of History (*on leave spring term*)
Jens Meierhenrich, Assistant Professor of Government and of Social Studies, Contin Ed/Spec Prog Instructor (*on leave fall term*)
D. Glyn Morgan, Associate Professor of Government and of Social Studies
Elizabeth J. Perry, Henry Rosovsky Professor of Government
Nancy Lipton Rosenblum, Senator Joseph S. Clark Professorship of Ethics in Politics and Government
Michael J. Sandel, Anne T. and Robert M. Bass Professor of Government (*on leave 2006-07*)
Matthias Schündeln, Assistant Professor of Economics and of Social Studies
Tommie Shelby, John L. Loeb Associate Professor of the Social Sciences
Mary M. Steedly, Professor of Anthropology
Ajantha Subramanian, Assistant Professor of Anthropology and of Social Studies
Christopher Winship, Diker-Tishman Professor of Sociology
Daniel F. Ziblatt, Assistant Professor of Government and of Social Studies (*on leave 2007-08*)

Other Faculty Offering Instruction in Social Studies

Kiku Adatto, Lecturer on Social Studies
Terry K. Aladjem, Lecturer on Social Studies
Lesley Nye Barth, Lecturer on Social Studies
Eric Beerbohm, Assistant Professor in Government and in Social Studies
Sadhana Bery, Lecturer on Social Studies
Deborah A. Boucoyannis, Lecturer on Social Studies
Dawn M. Brancati, Lecturer on Social Studies
Noah I. Dauber, Lecturer on Social Studies
Marshall L. Ganz, Lecturer on Social Studies
Neil Gross, Assistant Professor of Sociology (*on leave fall term*)
Jonathan M. Hansen, Visiting Lecturer on Social Studies (*Boston University*)
Patti T. Lenard, Lecturer on Social Studies
Theodore Macdonald, Lecturer on Social Studies
Nicole D. Newendorp, Lecturer on Social Studies
Thomas Ponniah, Lecturer on Social Studies
Nikolas Prevelakis, Lecturer on Social Studies
Todd D. Rakoff, Byrne Professor of Administrative Law (*Law School*)
Amelie Rorty, Visiting Professor of Social Studies (*Yale University*)
Austin D. Sarat, Visiting Professor of Social Studies (*Amherst College*) (*fall term only*)
Fred C. Schaffer, Lecturer on Social Studies
David G. Stevenson, Assistant Professor of Health Policy (*Medical School*)
Maureen E. Sullivan
Adam Webb, Lecturer on Social Studies

Primarily for Undergraduates



***Social Studies 10. Introduction to Social Studies**

Catalog Number: 5278 Enrollment: Must be a Social Studies Concentrator

Tommie Shelby and staff

Full course. Tu., 2–4, and a weekly section to be arranged. EXAM GROUP: 16, 17

An intensive introduction to classic texts in modern social theory. Through these foundational texts, we examine different models of social explanation, methodological debates in the social sciences, competing accounts of the origin and nature of modern society, and some of the normative questions that arise when we reflect systematically on the consequences of modernity. Readings will come from Smith, Marx, Tocqueville, Mill, Weber, Durkheim, Freud, Beauvoir, Foucault, and Habermas.

Note: Lectures and sections limited to and required of first-year concentrators in Social Studies.

[*Social Studies 20. Statistics for Social Studies]

Catalog Number: 3643

Mariko Chang

Half course (spring term). Hours to be arranged.

An introduction to basic research methods and statistics designed primarily for concentrators in Social Studies. No previous background in statistics is required. Assists students in developing the skills to understand statistical methods used in social science research and to conduct quantitative analyses that address research questions. Also prepares students to do quantitative research for projects such as senior honors essays.

Note: Expected to be given in 2007–08.

***Social Studies 30. Methods of Social Science Inquiry**

Catalog Number: 1054 Enrollment: Limited to 40.

Kimberly McClain DaCosta

Half course (spring term). W., 2–4, and a weekly section to be arranged. EXAM GROUP: 7, 8

This course introduces students to research as practiced across the social sciences and is especially designed for juniors who plan to write senior theses. Students will learn to formulate research questions, develop research designs, and bring evidence to bear on their own research questions. Students will write-up a research prospectus for their senior thesis, complete with preliminary findings and avenues for future research.

***Social Studies 91r. Supervised Reading and Research**

Catalog Number: 9855

Anya Bernstein and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Individual work in Social Studies on a topic not covered by regular courses of instruction.

Permission of the Director of Studies required.

***Social Studies 99. Tutorial — Senior Year**

Catalog Number: 7501

Anya Bernstein

Full course. Hours to be arranged.

Writing of senior honors essay.

Note: Required for concentrators.



Social Studies 98 — Junior Tutorials: Fall Term

Note: Concentrators must take one fall and one spring tutorial. Admission is based on student preferences and a lottery system. Undergraduate non-concentrators may enroll in these tutorials if space is available.

***Social Studies 98cd. American Social Policy**

Catalog Number: 8657 Enrollment: Limited to 10.

Anya Bernstein

Half course (fall term). W., 2–4.

Examines social policy in the US and considers competing approaches to developing policy for the 21st century. Compares different perspectives on the nature and purpose of American social policy and explores how American culture and institutions have shaped the development of social policy throughout the 20th century. Topics include poverty and welfare, education, health care, and responsibility for children and the elderly.

Note: This course will be lotteried.

***Social Studies 98ei. The Construction of Race in Society and History**

Catalog Number: 5960 Enrollment: Limited to 10.

Kimberly McClain DaCosta

Half course (fall term). Tu., 2–4.

Offers a comparative sociohistorical analysis of “race.” Using a range of empirical and theoretical materials from several societies, we problematize what is too often considered settled, namely, what constitutes “race”. We explore historical and cross-national variations in the bases of racial division, as well as the mechanisms through which racial domination is reproduced, including prejudice, discrimination, segregation, ghettoization, and violence.

Note: This course will be lotteried.

***Social Studies 98fe. Topics in Economic Sociology**

Catalog Number: 9709 Enrollment: Limited to 10.

Mariko Chang

Half course (fall term). W., 1–3.

Focuses on three sub-topics within the field of economic sociology: economic inequality, markets, and culture. An examination of the causes and consequences of wealth inequality along race, class, and gender lines provides the backdrop for these three sub-topics. Some guiding questions include: What are the sociological explanations for economic inequality? What roles do markets and culture play in economic inequality? How do race, class, and gender shape opportunities to acquire different types of wealth?

Note: This course will be lotteried.

***Social Studies 98fu. Practicing Democracy: Leadership, Community, Power**

Catalog Number: 7432 Enrollment: Limited to 10.

Marshall L. Ganz

Half course (fall term). Tu., 7–9 p.m.

Making democracy work requires an “organized” citizenry with power to assert its interests effectively. Yet US political participation declines, growing more unequal, as new democracies



struggle to make citizen participation possible. Students learn to address public problems by organizing: developing leadership, building community and mobilizing power. Our pedagogy links sociological, political science, and social psychology theory with democratic practice.

Note: Ten hours per week of field work required. This course will be lotteried.

***Social Studies 98gd. Human Rights: Current Issues in Theory and Practice**

Catalog Number: 6313 Enrollment: Limited to 10.

Theodore Macdonald

Half course (fall term). Th., 4–6.

Course combines human rights practice and social theory by focusing on groups--ethnic minorities and indigenous. Case studies analyze conflicts in Bosnia, Rwanda but primarily from Latin America, drawing on the instructor's practitioner experiences and observations. Aim is to: 1) demonstrate that human rights practice must work within formal structures of international law and, 2) encourage creative use of social science theory and methods to contextualize interpretations and applications of laws and norms.

Note: This course will be lotteried.

***Social Studies 98gf. Modernity and Social Change in East Asia**

Catalog Number: 5553 Enrollment: Limited to 10.

Nicole D. Newendorp

Half course (fall term). Th., 2–4.

Examines the interconnections between modernity and social change in contemporary China, Japan, and Korea. Explores how modernity is conceptualized by both state and society actors and how these visions fuel change at local and national levels. Particular attention will be paid to issues of social protest, migration, consumption, gender, ethnicity, and family life in both rural and urban locations. Readings focus on ethnographic case studies and the effects of modernity on everyday life experience.

Note: This course will be lotteried.

***Social Studies 98gg. Punishment, Politics, and Culture**

Catalog Number: 3780 Enrollment: Limited to 10.

Austin D. Sarat (Amherst College)

Half course (fall term). F., 12–2.

Other than war, punishment is the most dramatic manifestation of state power. Whom a society punishes and how it punishes are key political questions as well as indicators of its character. This course considers connections between punishment and politics in the contemporary US. Throughout we will try to understand the meaning of punishment by examining the way it is represented in politics and popular culture.

Note: This course will be lotteried.

***Social Studies 98gn. Poverty, Inequality, and Economic Policy**

Catalog Number: 4035 Enrollment: Limited to 10.

Matthias Schündeln

Half course (fall term). Th., 3–5.

We study the extent as well as the causes and consequences of poverty and inequality, and economic policies that deal with poverty and inequality. We focus on developing countries, but



also compare to and draw conclusions from the experience of developed countries. Among the specific issues addressed are measurement issues, the relationship between poverty, inequality and growth, geographic aspects of poverty and inequality, poverty dynamics, and effects of poverty alleviation programs.

Note: This course will be lotteried.

***Social Studies 98gq. The Global Culture Clash**

Catalog Number: 3028 Enrollment: Limited to 10.

Adam Webb

Half course (fall term). W., 3–5.

Explores pivotal themes in twentieth century world social thought, with a focus on responses to modernity. Compares how the major traditions, both Western and non-Western, have adapted to or reacted against a nascent global society based on liberal individualism, technocratic management, and cultural hybridity. Traces the fault line that everywhere divides the defenders and the critics of liberal modernity. Readings will reflect a range of liberal, high-culture, populist, and fundamentalist viewpoints.

Note: This course will be lotteried.

***Social Studies 98hj. Colonial Legacies in Postcolonial Africa**

Catalog Number: 0080 Enrollment: Limited to 10.

Sadhana Bery

Half course (fall term). W., 4–6.

Examines the impact of European colonialism on the formation of postcolonial nations in Africa as these nations negotiate colonial histories, modernity, and their pre-colonial pasts to realize conventional and alternative modernities. An investigation of major African political and cultural movements - Negritude, Pan-Africanism, African Renaissance—will contribute to understanding how postcolonial movements differently configure a “desired” Africa.

Note: This course will be lotteried.

***Social Studies 98hp. Is Democracy Possible Everywhere?**

Catalog Number: 2183 Enrollment: Limited to 10.

Fred C. Schaffer

Half course (fall term). Th., 1–3.

Debates today rage about whether democracy is really possible in places like China or the Middle East. This tutorial asks whether there are, in fact, any preconditions for or impediments to the establishment and consolidation of democracy. Among the factors we will consider: mass culture, elite norms, religion, economic development, ethnic pluralism, and associational life.

Note: This course will be lotteried.

***Social Studies 98ib. Varieties of Social Justice**

Catalog Number: 3094 Enrollment: Limited to 10.

D. Glyn Morgan

Half course (fall term). Tu., 2–4.

This course examines the social justice of different varieties of contemporary capitalism. To this end, it assesses the theories of social justice of Hayek, Nozick, Rawls, Sen, Walzer, and others. The course is intended for students interested in both political philosophy and the political



economy of advanced industrial societies.

Note: This course will be lotteried.

***Social Studies 98im. Constructing the American Economy**

Catalog Number: 3829 Enrollment: Limited to 10.

Robert Fannion

Half course (fall term). W., 2–4.

How did the American economy become the largest and most diverse in the world? Is it true that the United States relies more on unregulated markets than other countries? This course will use institutional, Marxist, and rationalist theories to explore how the American economy developed from industrialization to the present. As we examine how political choices shaped the American economy, the course will consider the relationship between capitalism and democracy and how it has been re-negotiated over time.

Note: This course will be lotteried.

***Social Studies 98iq. The Origins and Future of the Nation-State in Europe**

Catalog Number: 5496 Enrollment: Limited to 10.

Daniel F. Ziblatt

Half course (fall term). W., 4–6.

To understand where the nation-state is going in Europe, we need to understand its origins. We explore three questions: 1) What factors contributed to the rise of the state in Europe, 2) What prompted the rise of "democratic" nation-states in Europe, and 3) How are democratic nation-states being transformed by new forces such as the European Union? We examine these questions with an eclectic mix of sociological and theory, and economic and political history.

Note: This course will be lotteried.

***Social Studies 98it. Asians in the United States**

Catalog Number: 5284 Enrollment: Limited to 10.

Ajantha Subramanian

Half course (fall term). W., 1–3.

Examines the dynamics of Asian migration to the US against the backdrop of global and national political economic transformations from the mid-19th century to the present. Considers how Asians in the US have been constituted by world-historical processes and have constituted themselves as social and political actors. Analyses the impact of colonialism, war, nationalism, and economic integration on the shifting classifications and political orientations of Asian America.

Note: This course will be lotteried.

Social Studies 98 — Junior Tutorials: Spring Term

***Social Studies 98cl. Law and Society**

Catalog Number: 7389 Enrollment: Limited to 10.

Terry K. Aladjem

Half course (spring term). Th., 3–5.

Examines law as a defining force in American culture and society in four dimensions—as it establishes individual rights, liberties, and limits of toleration; as it attempts to resolve



differences among competing constituencies; as it sets out terms of punishment and social control, and as a source of informing images and ideological consistency.

Note: This course will be lotteried. A prison trip is planned, subject to approval.

***Social Studies 98cv. Authoritarianism and Democracy in Latin America**

Catalog Number: 5595 Enrollment: Limited to 10.

Steven R. Levitsky

Half course (spring term). Tu., 2–4.

Examines regimes and regime change in Latin America, particularly Argentina, Brazil, Chile, Mexico, Peru, Venezuela. Compares modernization, Marxist, cultural, choice-centered, and institutionalist approaches to explaining the military coups of the 1960s/1970s and democratic transitions of the 1980s/1990s.

Note: This course will be lotteried.

***Social Studies 98eo. Culture and Society**

Catalog Number: 2114 Enrollment: Limited to 10.

Kiku Adatto

Half course (spring term). W., 2–4.

The course explores various approaches to the study of culture, drawing on studies in anthropology, history, philosophy, sociology, literature and photography. Among the questions addressed are: How is historical memory constructed, and what are the competing forces that shape it? How do advertisements, photography, and film document cultural change? How is culture tied to power, domination, and resistance?

Note: This course will be lotteried.

***Social Studies 98fx. The New Politics of Europe**

Catalog Number: 5447 Enrollment: Limited to 10.

Daniel F. Ziblatt

Half course (spring term). W., 4–6.

In the post-Cold War era, Europe's map is being redrawn. The rise to power of new political parties (Green and far-right parties), the onset of fiscal crises, and the deepening and widening of the European Union all have transformed what is meant by the term "Europe." We explore these transformations by focusing on three areas in particular: (1) national party systems change, (2) shifting national models of political economy, and (3) European Union integration and expansion.

Note: This course will be lotteried.

***Social Studies 98hc. Crimes Against Humanity**

Catalog Number: 0061 Enrollment: Limited to 10.

Jens Meierhenrich

Half course (spring term). Hours to be arranged.

This course provides an introduction to international human rights law. Combining positive and normative perspectives, the course introduces students to the evolution of crimes against humanity, ranging from apartheid to enslavement, and from extermination to rape. The judicial application of these odious crimes, including their adjudication in both municipal and international courts—from the International Military Tribunal at Nuremberg to the Special Court



for Sierra Leone-is also discussed.

Note: This course will be lotteried.

***Social Studies 98hm. Prelude to Revolution: American Ideas 1945–1965**

Catalog Number: 1215 Enrollment: Limited to 10.

Darra D. Mulderry

Half course (spring term). Th., 2–4.

This tutorial explores the social and intellectual roots of ideas on civil rights, democracy, racism, gender, and history of science in the 1960s. Readings include works in political thought, existentialist philosophy, humanistic psychology, fiction, and drama. Authors include Thomas Kuhn, Herbert Marcuse, Hannah Arendt, Arthur Miller, and Betty Friedan. Students will receive guidance in historical methods, and will write a primary research paper. Optional film series will accompany course.

Note: This course will be lotteried.

***Social Studies 98hn. Education and Social Reproduction**

Catalog Number: 0065 Enrollment: Limited to 10.

Lesley Nye Barth

Half course (spring term). Th., 1–3.

Is the primary purpose of schooling in the US the realization of a democratic, idealized meritocracy, or perpetuating the social and economic stratification of our society? Does “schooling” have the same meaning for all our citizens, regardless of their race, class, religion, or gender? And should it? This course broadly explores the historical, social, and political roots of the paradox that is American schooling.

Note: This course will be lotteried.

***Social Studies 98ho. Health Care in the United States: Vulnerable Populations, Policy, and the Market**

Catalog Number: 0066 Enrollment: Limited to 10.

David G. Stevenson (Medical School)

Half course (spring term). W., 4–6.

Examines health care in the US and considers the values that shape health policy. Particular attention will be given to care for vulnerable populations and to how one might think about disparities that exist in the current allocation of health care resources. Throughout the seminar, students will address questions in the context of policy analysis, ethical theory, and the historical development of health care institutions in the US.

Note: This course will be lotteried.

***Social Studies 98hq. Civil War and Peace**

Catalog Number: 5288 Enrollment: Limited to 10.

Dawn M. Brancati

Half course (spring term). Tu., 4–6.

Ethnic conflict and secessionism pose a major threat to peace and stability in the twenty first century. In this course we will study the causes and consequences of ethnic conflict and secessionism, as well as the tools countries use to reduce ethnic them. We will examine not only the pros and cons of each of these different tools, but also the feasibility of implementing them in



different countries.

Note: This course will be lotteried.

***Social Studies 98ic. Why Americans Love God and Europeans Don't**

Catalog Number: 1512 Enrollment: Limited to 10.

D. Glyn Morgan

Half course (spring term). Tu., 2–4.

This course examines the divergences in religiosity between the United States and Europe. The course is intended for students interested in the sociology of religion. It presumes some knowledge of regressions and other simple forms of data analysis..

Note: This course will be lotteried.

Social Studies 98id. Ethics and Public Policy

Catalog Number: 0030 Enrollment: Limited to 10.

Eric Beerbohm

Half course (spring term). W., 4–6. EXAM GROUP: 9

This course examines philosophical arguments about the morality of public policy. Political theory and moral philosophy are brought to bear on three domains of policymaking: the justifiability of political violence, paternalism, and religious and cultural toleration. Policy issues include state-sponsored torture, preemptive warfare, and reparations for historical injustices, workfare programs, racial profiling, and surrogate pregnancies.

Note: This course will be lotteried.

***Social Studies 98if. Nationalism**

Catalog Number: 9698 Enrollment: Limited to 10.

Nikolas Prevelakis

Half course (spring term). M., 4–6.

Examines the relationship between nationalism and capitalism, nationalism and religion, nationalism and literature, as well as issues of national and ethnic conflict. Specific emphasis is given to the difference between types of nationalism, as well as to the importance of national intellectuals. Theoretical literature is tested against empirical evidence from the history of Europe, the United States, Japan, the Balkans, and Latin America.

Note: This course will be lotteried.

***Social Studies 98ii. The Promise and the Struggle: Social Movements in the US**

Catalog Number: 8992 Enrollment: Limited to 10.

Sadhana Bery

Half course (spring term). W., 4–6.

What makes social action a social movement? What are the qualities and scope of social movements? Is there a critical rupture between traditional social movements that focused on labor, class exploitation, and social transformation and the more contemporary social movements of social reform, grassroots organizing, and concerns of "difference," representation and "identity?" Do transnational social movements, especially anti-globalization movements, bridge this rupture?

Note: This course will be lotteried.



Social Studies 98in. Markets

Catalog Number: 7657 Enrollment: Limited to 10.

Robert Fannion

Half course (spring term). W., 4–6.

The market is the social institution that defines the modern world. We live, work, learn, and play embedded in market relationships, but we have only a weak grasp of how they operate and the ways in which they affect our lives. Course will be theoretical work in sociology, political science, economics, and anthropology. What other institutions must exist for markets to function? How do markets create and distribute political power? How do markets shape our identity and values?

Note: This course will be lotteried.

Social Studies 98is. Religion and Social Transformation in South Asia

Catalog Number: 9571 Enrollment: Limited to 10.

Ajantha Subramanian

Half course (spring term). W., 1–3.

Considers the making of religious identity in colonial and postcolonial South Asia, and engages with contemporary debates over secularism, conversion, and citizenship. Central questions include: How have religious identities and practices been shaped by and helped to shape colonial and postcolonial state formation? What role have they played in the constitution of the modern public sphere? How do religious expressions of community and rights articulate with notions of democratic participation?

Note: This course will be lotteried.

***Social Studies 98ix. Feminist Theories**

Catalog Number: 9451 Enrollment: Limited to 10.

Members of the Committee.

Half course (spring term). Th., 2:30–4:30.

Introduces students to major trajectories in feminist theory, including liberal, marxist, radical, psychoanalytic, postmodern, transnational, postcolonial, critical race and queer theoretic approaches to the study of gender and sexuality. There will also be a particular focus on feminist theory that builds on the work of classic and contemporary social theorists, such as Marx, Mill, Nietzsche, Freud, Beauvoir, Foucault and Habermas.

Note: This course will be lotteried.

Sociology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Sociology



Robert J. Sampson, Henry Ford II Professor of the Social Sciences (*Chair*) (*on leave spring term*)
Mary C. Waters, M. E. Zukerman Professor of Sociology (*Acting Chair, spring term*)
David L. Ager, Lecturer on Sociology
Jason Beckfield, Visiting Assistant Professor of Sociology
Vikki Boliver, Lecturer on Sociology, Postdoctoral Fellow in Sociology (*fall term only*)
Anthony A. Braga, Lecturer on Sociology (*fall term only*)
Mary C. Brinton, Reischauer Institute Professor of Sociology
Prudence L. Carter, Associate Professor of Sociology (*on leave 2006-07*)
Dukjin Chang, Visiting Associate Professor of Sociology (*Seoul National University*) (*spring term only*)
Mariko Chang, Associate Professor of Sociology and of Social Studies (*fall term only*)
Nicholas A. Christakis, Professor of Sociology (*Medical School*)
Frank Dobbin, Professor of Sociology (*on leave 2006-07*)
Jay Gabler, Lecturer on Sociology
Neil Gross, Assistant Professor of Sociology (*on leave fall term*)
Jason A. Kaufman, John L. Loeb Associate Professor of the Social Sciences (*Head Tutor*)
Tamara Kay, Assistant Professor of Sociology
Vani S. Kulkarni, Lecturer on Sociology (*spring term only*)
Michèle Lamont, Robert I. Goldman Professor of European Studies and Professor of Sociology and of African and African American Studies (*on leave 2006-07*)
Stanley Lieberson, Abbott Lawrence Lowell Professor of Sociology, Emeritus
Peter V. Marsden, Harvard College Professor and Professor of Sociology
Timothy Nelson, Lecturer on Sociology, Associate of the Department of Sociology
Orlando Patterson, John Cowles Professor of Sociology (*on leave fall term*)
Theda Skocpol, Victor S. Thomas Professor of Government and Sociology and Dean of the Graduate School of Arts and Sciences
Martin K. Whyte, Professor of Sociology
William Julius Wilson, Lewis F. and Linda L. Geyser University Professor
Christopher Winship, Diker-Tishman Professor of Sociology (*Director of Graduate Studies*)

Other Faculty Offering Instruction in the Department of Sociology

Mary-Jo Del Vecchio Good, Professor of Social Medicine (*Medical School*)
Christopher Jencks, Malcolm Wiener Professor of Social Policy (*Kennedy School*)
Christopher Marquis, Assistant Professor of Business Administration (*Business School*)
Mary Ruggie, Adjunct Professor of Public Policy (*Kennedy School*) (*fall term only*)

Introductory Courses

[Sociology 10. Introduction to Sociology](#)

Catalog Number: 4814

Jay Gabler

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

Introduces sociology as a discipline and as an approach to knowledge-- both for potential sociology concentrators and curious non- concentrators. Designed to equip students with a basic



understanding of the history of sociology (Marx, Durkheim, Weber, Parsons, and beyond) and major themes of current sociological research (including but not limited to social networks, organizations and markets, and social psychology). Concludes with explorations of sociological insights on the topics of crime, art, college, and life.

Note: Counts for introductory concentration requirement.

Sociology 19. Reinventing Boston: The Changing American City - (New Course)

Catalog Number: 9395

Christopher Winship

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

American cities have changed in extraordinary ways. Once projected to be doomed to a future of blight and decay, Boston has become a model of urban renaissance. Using Boston as a case, this course considers issues of: technology booms, economic change and inequality, political governance, elite relations, cultural institutions, race and ethnic relations, immigration, gentrification and suburbanization. Weekly guest speakers. Requirements: 3 short group papers and individual term paper.

Note: Counts for introductory concentration requirement.

Sociology 21. Work and the New Economy - (New Course)

Catalog Number: 8575

Mary C. Brinton

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

Explores changes in the nature of work and the workplace in recent years. Particular emphasis to trends in wage inequality, conditions of low- and highly-paid work, changes in the requirements of professions, rise of "contingent" and part-time employment, relationship between work and technology, and processes that affect people's work lives inside organizations, with some attention to international comparisons and employment policies.

Note: Counts for introductory concentration requirement.

[Sociology 22. Gender Stratification: Work, Power, and Gender in America]

Catalog Number: 7997

Mary C. Brinton

Half course (spring term). Hours to be arranged.

Familiarizes students with central issues and theoretical perspectives regarding gender inequality in the workplace. Focuses first on long-term changes in women's economic participation and in the gendered division of labor as societies undergo processes of industrialization and post-industrialization, then more specifically on the US and on recent changes in workplace inequality and in the family-work interface.

Note: Expected to be given in 2007–08. Counts for introductory concentration requirement.

Sociology 24. Introduction to Social Inequality

Catalog Number: 9417

Jason Beckfield

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Examines individual and structural explanations for the generation and maintenance of inequality in the US with comparisons to other societies. The consequences of inequality for individuals



and groups are studied.

Note: Counts for introductory concentration requirement.

Sociology 25. Introduction to the Sociology of Organizations

Catalog Number: 3609

David L. Ager

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

Introduces the sociological study of formal organizations. Surveys basic concepts, emphases, and approaches. Attention given to processes within organizations, as well as to relationships between organizations and their environments. Topics include bureaucracy, leadership and power in organizations, interorganizational networks, and coordination among organizations.

Note: Counts for introductory concentration requirement.

[Sociology 60. Sociology of Race and Ethnicity]

Catalog Number: 4114

Prudence L. Carter

Half course (spring term). Hours to be arranged.

Examines race and ethnic relations in the US from a theoretical, historical, and comparative perspective. Explores the emergence of racial and ethnic minorities through such historical processes as colonialism, slavery, and immigration. Studies the current relations among racial and ethnic groups in the US.

Note: Expected to be given in 2007–08. Counts for introductory concentration requirement.

Sociology 67. Visualizing Social Problems In Documentary Film and Photography

Catalog Number: 8622

Tamara Kay

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Explores social problems as they are presented and constructed in documentary film and photography. Topics include crime and deviance, poverty, race and gender inequalities, environmental degradation, immigration, urbanization and globalization, and war and terrorism. Examines a variety of documentary film and photography genres such as historical, biographical, ethnographic, satire, and political expose. Compares the processes by which filmmakers and photographers engage in social documentation.

Note: Counts for introductory concentration requirement.

Cross-listed Courses

Foreign Cultures 46. Caribbean Societies: Socioeconomic Change and Cultural Adaptations

[Foreign Cultures 63. China's Two Social Revolutions]

Psychology 15. Social Psychology

[Quantitative Reasoning 36. Statistics and Public Policy]

Social Analysis 54. American Society and Public Policy

Tutorials



***Sociology 91r. Supervised Reading and Research**

Catalog Number: 4449

Jason A. Kaufman and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Individual work in sociology under the supervision of teaching staff in the department. A graded supervised course of reading and research on a topic not covered by regular courses of instruction.

Note: Students negotiate topics on their own. A final paper must be filed in the Sociology undergraduate office.

***Sociology 96. Community Based Research**

Catalog Number: 7425

Christopher Winship

Half course (fall term; repeated spring term). Fall: W., 3–5; Spring: Th., 3–5; Th., 3–6. EXAM GROUP: Fall: 8, 9; Spring: 17, 18

Students carry out guided research projects in the Boston area. Topics vary; refer to course website for details. Course integrates readings and hands-on inquiry. Fall: Soc 96h "Growing up in America" explores the lives of Boston's teenagers, Soc 96j "Research for Nonprofits;" Spring: Soc 96f "Marginalization in the Metropolis" investigates poverty as a form of social exclusion rather than an absolute condition, Soc 96j "Research for Nonprofits."

Note: Both concentrators and non-concentrators are welcome to apply. Required first meeting.

Sociology 97. Tutorial in Sociological Theory

Catalog Number: 5079

Neil Gross

Half course (spring term). Hours to be arranged.

Introduction to sociological theory, providing a critical understanding of selected classical and contemporary theorists, including Marx, Durkheim, Weber, Parsons, Foucault, Butler, Bourdieu, and Giddens.

Note: Required of concentrators, ordinarily sophomores, and secondary concentrators. Required first organizational meeting.

***Sociology 98. Junior Tutorial**

Catalog Number: 5943 Enrollment: Limited to 8.

Jason A. Kaufman (spring term), Stanley Lieberman (fall term) and members of the Department.

Half course (fall term; repeated spring term). Fall: Section 98L: Hours to be arranged; Spring: Section 98B: Th., 1-3; Section 98H: T. 2-4; Section 98V: M., 3-5.

Small group research projects centered on common topics that vary by seminar and year. In the fall, Stanley Lieberman will offer *Imagery and Tastes Among Social Classes*.

Note: Required of and limited to concentrators, ordinarily juniors.

Prerequisite: Sociology 97.

***Sociology 99. Senior Tutorial**

Catalog Number: 6237

Jason A. Kaufman and members of the Department

Full course. Hours to be arranged.



Supervision of theses or other honors projects.

Note: Limited to concentrators, ordinarily seniors. In addition, students of Sociology 99 may also participate in a fall term only, optional, regularly scheduled weekly group seminar for consultation and discussion about choice of problems, possible data, and research procedures.

Prerequisite: Sociology 98.

For Undergraduates and Graduates

Sociology 107. The American Family

Catalog Number: 9124

Martin K. Whyte

Half course (spring term). M., W., at 1. EXAM GROUP: 6

The American family is often thought to be changing in ways considered unfortunate for children and society. At the same time, the family continues to occupy a central place in people's lives.

We examine how and why American families have changed and explore the consequences of these changes.

Note: Discussion section required.

[Sociology 108. The Sociology of Work and Family]

Catalog Number: 9487

Martin K. Whyte

Half course (fall term). Hours to be arranged.

Surveys research and theory in the growing area of work-family studies. Explores how work and family life interconnect and influence each other and the implications of these linkages for women, men, children, employers, the community and society. Examines how gender, social class, family structure and race and ethnicity affect individuals' ability to manage work and family. Topics will include work-family conflict, childcare and eldercare issues, and changing attitudes towards work-life integration. Private and public policy initiatives will be reviewed.

Note: Expected to be given in 2007–08.

Sociology 109. Leadership and Organizations

Catalog Number: 8260 Enrollment: Limited to 80. Enrollment by lottery.

David L. Ager

Half course (fall term; repeated spring term). Spring: M., W., (F.), at 10. EXAM GROUP: 3

Focus on the sociological study of leadership emphasizing leadership in organizational settings.

Topics covered: how leadership, power, influence, and social capital are interrelated; organizations as complex social systems; politics and personalities in organizational life; organization design and culture; leadership of organizational change and transformation; and creating sustainable organizations.

Note: Open to students in all fields. Course relies heavily on the case study method for learning similar to the approach used at the Harvard Law and Business Schools.

[*Sociology 119. Learning from Social Settings: Observing and Talking to People: Conference Course]

Catalog Number: 2570

David L. Ager



Half course (spring term). Hours to be arranged.

Examines the practice of conducting qualitative research: collecting, analyzing, and interpreting original observational and interview data. Emphasis will be on the development of skills that are employed by academics and practitioners (e.g. consultants, teachers, medical professionals, organizational leaders) to conduct qualitative field research in organizations and other social settings. Specifically the course will focus on negotiating entry, observation and note taking, interviewing, data analysis, and reporting of data.

Note: Expected to be given in 2007–08.

Sociology 128. Models of Social Science Research

Catalog Number: 5979

Mary C. Waters

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

Reviews sociological methods and the questions to which each is best suited. Readings exemplify statistical, ethnographic, and historical approaches. Stresses logic and reasoning, not particular statistical methods.

Note: Must be taken before Sociology 156, which is offered in the spring. Required of concentrators, ordinarily Sophomores, and secondary concentrators.

Sociology 129. Education and Society - (New Course)

Catalog Number: 6298

Vikki Boliver

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

Examines the key role played by the education system in reproducing and transforming modern society. The course considers what purposes education serves; to what extent factors such ability, effort, intelligence and luck determine educational success; why educational attainment is socially stratified by social class origin, gender, 'race' and ethnicity; and how educational attainment and outcomes are shaped by differences in character and quality between and within schools.

[Sociology 136. Research for Nonprofits: Seminar (formerly Pathways to Public Service)]

Catalog Number: 9739

Christopher Winship

Half course (spring term). Hours to be arranged.

Supports students in carrying out a research project for a nonprofit organization that they are currently working in or with. Examines how research is used in the nonprofit sector.

Note: Expected to be given in 2007–08. Current involvement in public service is required.

Sociology 139. Religion and Society - (New Course)

Catalog Number: 9003

Timothy Nelson

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

Organized into three sections: basic concepts of religion are examined, including, belief, experience, ritual, and organization; religion and the major social distinctions of gender, race/ethnicity and social class; and religion in contemporary society, including secularization,



religion in politics and social services, and growth of alternative religions.

Note: Students will be expected to participate in and observe religious services.

Sociology 141. Social Institutions of Contemporary China

Catalog Number: 9333

Martin K. Whyte

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Introduction to the patterns of social life in China and how these have changed since the revolution in 1949. Topics covered include political institutions, work organizations, village life, cities, family life, schooling, and inequality.

[Sociology 143. Love & Intimacy]

Catalog Number: 0013

Neil Gross

Half course (spring term). Hours to be arranged.

Investigates transformations in family life, intimacy, and sexuality over the last half century.

Special attention is given to social theorists who consider the relation between such changes and the nature of contemporary society.

Note: Expected to be given in 2007–08.

[Sociology 149. Ethnicity: Comparative and Historical Perspectives: Conference Course]

Catalog Number: 8242

Orlando Patterson

Half course (spring term). Hours to be arranged.

Ethnicity has emerged as one of the most important forces in the modern world. It is the source of collective identity, communal solidarity, and nation building as well as the inspiration for resistance to colonial domination and dictatorial regimes. It has also been a major source of political, social, and economic conflicts throughout the world, in some cases resulting in genocidal wars between groups. Explores the nature of ethnicity, main theoretical approaches to the subject, and case studies of ethnic formation and conflict, paying special attention to the relationship between ethnicity and religion, language, racism, and modernization.

Note: Expected to be given in 2007–08.

Sociology 153. Media and the American Mind

Catalog Number: 8867

Jason A. Kaufman

Half course (spring term). Tu., Th., at 12; . EXAM GROUP: 14

Explores American society through the lens of its various media, including but not restricted to television, theatre, literature, and music. Topics include class and cultural consumption, the business dynamics of the art world, the co-optation and subversion of dominant art forms, the impact of information networks on social structure and social development, and the power of advertising and mass media. Designed to be both fun and informative. Appropriate for sociology concentrators and non-concentrators alike.

[Sociology 154. Culture, Power, and Inequality]

Catalog Number: 5713



Michèle Lamont

Half course (fall term). Hours to be arranged.

What is the role played by culture in shaping the distribution of power and resources in contemporary societies? This course provides tools and frameworks of understanding to analyze topics such as identity, symbolic boundaries, race, class, and gender cultures, culture and urban poverty, consumption and popular culture, resistant subcultures, media, politics, and the making of public opinion, and American cultural hegemony. values? This course provides simpler and more complex tools and frameworks of understanding to answer these questions.

Note: Expected to be given in 2007–08. Open to graduate and undergraduate students

***Sociology 156. Quantitative Methods in Sociology**

Catalog Number: 8958

Peter V. Marsden

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

Introduces quantitative analysis in social research, including principles of research design and the use of empirical evidence, particularly from social surveys. Descriptive and inferential statistics, contingency table analysis, and regression analysis. Emphasis on analysis of data and presentation of results in research reports.

Note: Required of and limited to Sociology concentrators, ordinarily sophomores.

Prerequisite: Sociology 128.

[Sociology 160. Medicine, Health Policy and Bioethics in Comparative and Global Perspective: Conference Course]

Catalog Number: 3456 Enrollment: Limited to 18.

Mary-Jo Del Vecchio Good (Medical School)

Half course (fall term). Hours to be arranged.

Complements Sociology 162. Examines the culture and political economy of biomedicine and health care institutions in the US and internationally. Analysis of current debates on medical education and the new professionalism; clinical narratives, the medical imaginary and the biotechnical embrace; cultural diversity, disparities and inequalities in medical and mental health care; medical error and quality of care; just use of societal resources; and bioethical dilemmas in clinical practice, medical missions and interventions, and international research and health policies.

Note: Expected to be given in 2007–08.

[Sociology 161. Affirmative Action: Comparative and Historical Perspectives]

Catalog Number: 6835

Dongxiao Liu

Half course (fall term). M., W., at 11. EXAM GROUP: 4

Examines the idea and practice of affirmative action in different countries and across time, with a focus on the European Union, the Nordic countries, South Africa, India, China, Brazil, Australia, and the United States. We will assess how societal groups are selected for affirmative action, what programs are available, how they are funded and implemented, their impact, and how the concept of affirmative action has evolved over time.

Note: Expected to be given in 2007–08.



Sociology 162. Medical Sociology

Catalog Number: 5801

Mary-Jo Del Vecchio Good (Medical School)

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Explores current topics in medical sociology organized around the theme of global and local environments of risk and trust in medicine and health care. Examines how medical education, knowledge, practice, research, technology, and health policies are culturally shaped and institutionally organized. Analyzes the culture and political economy of American medicine through comparative and global perspectives, utilizing country specific illustrations and global health examples.

Sociology 165. Inequalities in Health Care

Catalog Number: 8272

Mary Ruggie (Kennedy School)

Half course (fall term). M., W., (F.), at 3. EXAM GROUP: 8

This course ponders why certain social groups are at greater risk for more severe health problems (eg., infant mortality, HIV/AIDS, cancer) and also receive unequal health care in the US and in countries around the world. We examine how health and social policies reinforce or alleviate stigma, discrimination, and social exclusion, and what best practices foster adequate delivery of healthcare services, mutual respect between patient and provider, healing, and healthy living.

Sociology 168. Social Capital and Democracy: Comparative Perspectives - (New Course)

Catalog Number: 8787

Vani S. Kulkarni

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Drawing from the literature on civil society, political culture, and social movements, this course will explore the nature of the relationship between social capital and democracy in western and non-western societies. We will examine how the linkages influence key areas of societal development such as employment, education, health, and women's economic independence.

Sociology 172. Children, Culture, and Media

Catalog Number: 6708

Jay Gabler

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Explores children and culture in sociological and historical perspective--regarding both children in culture (the construction of childhood) and culture for children (from books to TV to the Internet). Major topics include the history of childhood, cross-cultural and cross-class variation in childhood, and debates over children's media use. Designed to equip both sociology concentrators and non-concentrators with a broad understanding of childhood and children's media in social context.

[Sociology 176. Immigration and the Transformation of American Society]

Catalog Number: 5953

Mary C. Waters

Half course (fall term). Hours to be arranged.

How are new immigrants and their children being incorporated into the US? How is American



society changing as a result of immigration? Examines social, cultural, economic, political, and linguistic trends. Focuses on the US, with comparisons to other immigrant receiving countries.
Note: Expected to be given in 2007–08. Appropriate for concentrators and nonconcentrators alike.

Sociology 179. Crime, Justice, and the American Legal System

Catalog Number: 3962

Anthony A. Braga

Half course (fall term). M., W., at 12. EXAM GROUP: 5

Examines the causes and consequences of the crime problem in America. Key actors in the legal system, such as police, courts, and prisons will be covered and the role of these institutions in crime prevention will be assessed. Particular attention will be paid to drugs, guns, gangs and other urban crime problems as well as controversial topics in criminal justice, such as racial profiling and the death penalty.

Note: Offered jointly with the Kennedy School as CCJ-103.

[Sociology 180. Social Change in Japan: Conference Course]

Catalog Number: 4844 Enrollment: Limited to 25.

Mary C. Brinton

Half course (spring term). Hours to be arranged.

Examines several areas of social and economic life in Japanese society and the nature of change within them. Considered in particular: how people's experience of the family, education, work, and social class is structured in contemporary Japan; how analytical comparisons can be made to other societies; and how change has occurred in recent decades. No Japan-specific knowledge is necessary, but an interest in social science concepts and methods is important.

Note: Expected to be given in 2007–08.

Sociology 181. Contemporary Korean Society and Economy - (New Course)

Catalog Number: 4333

Dukjin Chang (Seoul National University)

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

Examines key issues to understanding contemporary Korean society and economy. Topics include chaebol business groups, democracy, the social impact of the Internet, and elite social network.

[Sociology 184. Freedom in America: An Historical Sociology: Conference Course]

Catalog Number: 9740

Orlando Patterson

Half course (fall term). Hours to be arranged.

Examines the social construction and practice of freedom in America from early colonial times to the present. Freedom explored not simply as an idea, but as a cultural system that both shapes and is shaped by changing socio-economic contexts. Special attention paid to the ways in which constructions of freedom vary by class, gender and ethnicity, and the role of slavery, the revolution, the civil war, and the Civil Rights movement in the development of this ideal.

Note: Expected to be given in 2007–08.



Sociology 189. Law and Social Movements

Catalog Number: 2421

Tamara Kay

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Explores the relationship between law and social movements in the United States (with some international and transnational comparisons). Analyzes how the law shapes and structures social movements, how social movements mobilize the law to create social change, and how they engage in legal reform. Examines and compares a variety of social movements including the civil rights, human rights, labor rights, environmental, anti-globalization, women's rights, and indigenous rights movements.

Sociology 190. Life and Death in the US: Medicine and Disease in Social Context

Catalog Number: 0021

Nicholas A. Christakis (Medical School) (Medical School, FAS)

Half course (spring term). M., W., (F.), at 3; Th., at 3. EXAM GROUP: 8

Explores how biological and social factors jointly conspire to determine the health of individuals and populations. Examines how medical care, social networks, and socioeconomic inequality influence illness, recovery, and death.

[Sociology 198. Crime & Disorder in the City: Conference Course]

Catalog Number: 5382 Enrollment: Limited to 20.

Robert J. Sampson

Half course (spring term). Hours to be arranged.

The concepts of disorder and disorganization have long been the subject of sharp intellectual disagreement, especially in accounts of crime in the city. After touching on classic approaches to these notions, we will focus on contemporary debates and research, including the social ecology of crime and urban inequality, community social (dis)organization, broken-windows theory, street life and violence in the inner city, symbolic meanings of disorder, and competing visions for order in public spaces.

Note: Expected to be given in 2007–08.

Cross-listed Courses

[History of Science 157 (formerly History of Science 157v). Sociological Topics in the History of Science]

Studies of Women, Gender, and Sexuality 1125. Gender and Health

Primarily for Graduates

Sociology 201. Sociological Research Design

Catalog Number: 0085

Mary C. Brinton (fall term); Mary Brinton and Nicholas A. Christakis (Medical School, FAS) (spring term)

Full course. W., 12–2. EXAM GROUP: Spring: 5, 6

Guides students through the process of producing an original research paper of high quality. Readings and discussion cover the identification of appropriate research problems, the nature of



causal reasoning, and data analysis and write-up.

Note: Required of second-year graduate students while writing the qualifying paper.

***Sociology 202. Intermediate Quantitative Research Methods**

Catalog Number: 4117

Peter V. Marsden

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Research designs and measurement techniques used in quantitative sociological research. Regression methods for continuous and binary response variables, including categorical predictors, nonlinearity interactions, diagnostics, criticism. Emphasis on applications and implementation.

Note: Required of, and ordinarily limited to, first-year graduate students in Sociology

Prerequisite: Familiarity with basic statistics.

***Sociology 203a. Advanced Quantitative Research Methods**

Catalog Number: 3315

Christopher Winship

Half course (fall term). Tu., Th., 10–12. EXAM GROUP: 12, 13

Matrix approach to regression analysis with an emphasis on the assumptions behind OLS. Instrumental variables, generalized least squares, probit and logit models, survival analysis, hierarchical linear models, and systems of equations are studied.

Note: Required of first-year graduate students in Sociology.

Prerequisite: Sociology 202 or basic course in regression analysis.

***Sociology 203b. Analysis of Longitudinal Data: Seminar**

Catalog Number: 1860

Peter V. Marsden

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Treats longitudinal design and methods for the statistical analysis of longitudinal data with an emphasis on the analysis of change in discrete variables. Includes introduction to time series analysis. Statistical theory and practical applications covered.

Note: Primarily for graduate students in sociology.

Prerequisite: Sociology 203a.

Sociology 204. Sociological Theory: Seminar

Catalog Number: 6189

Neil Gross

Half course (fall term). M., 9–11. EXAM GROUP: 2, 3

Introduction to the ideas of and socio-intellectual contexts that were formative for Comte, Durkheim, Marx, Weber, Spencer, Simmel, and Mead. Consideration of their significance for contemporary sociological theory.

Note: Required of first-year graduate students in Sociology.

Sociology 206. The Sociology of Development: Seminar

Catalog Number: 9026

Martin K. Whyte



Half course (fall term). Tu., 1–3.

Examines debates surrounding the nature of the process of economic development. Major attention is devoted to rival theories of where and why development occurs and to a variety of social consequences of economic development.

***Sociology 208. Contemporary Theory and Research: Seminar**

Catalog Number: 6080

Mary C. Brinton

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Develops tools for the construction of sociological theory. Compares major contemporary sociological theories and their applications. Emphasis is placed on adjudicating among competing explanations based on evidence and critical assessment of a theory's logic.

Note: Required of and limited to first-year graduate students in Sociology.

***Sociology 209. Qualitative Social Analysis: Seminar**

Catalog Number: 1198

Tamara Kay

Half course (fall term). W., 10–12. EXAM GROUP: 3, 4

Examines approaches to non-numerical data used by social scientists to obtain valid, reliable, and meaningful insight into the social world through the analysis of ethnographic field notes, interview transcripts, archival and other interpretative data.

Note: Required of and limited to first-year graduate students in Sociology.

***Sociology 210. Issues in the Interpretation of Empirical Evidence: Seminar**

Catalog Number: 2882

Stanley Lieberson

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Special problems occur in the interpretation of either qualitative or quantitative results based on non-experimental data--whether from surveys, historical research, or field work. These issues differ from those that can be resolved through statistical solutions.

[Sociology 217. Sociology of Families and Kinship: Seminar]

Catalog Number: 8522

Martin K. Whyte

Half course (fall term). Hours to be arranged.

Examines research on family patterns, combining a focus on how family patterns vary and change over time and how individuals differ in their experience of life course transitions, such as marriage, divorce, and retirement.

Note: Expected to be given in 2007–08.

Sociology 224. Organizational Analysis: Seminar

Catalog Number: 8202

Christopher Marquis (Business School)

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Reviews classical and contemporary theories of organizations, including ecological, institutional, resource dependence, transaction-cost, agency theory, learning theory, and organizational



culture. Examines phenomena at multiple levels from the establishment to the organizational network or field.

Sociology 225. Historical Sociology: Studying Continuity and Change: Seminar

Catalog Number: 8750

Orlando Patterson

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Examines the main approaches to the interface of history and sociology. Major theoretical traditions and methodological strategies (both quantitative and qualitative) are appraised mainly through the exploration of exemplary studies.

[Sociology 231. Neighborhood Effects and Community-Level Social Processes]

Catalog Number: 6611

Robert J. Sampson

Half course (spring term). Hours to be arranged.

Examines contemporary research on the role of neighborhoods in modern city life. Topics include segregation and neighborhood social isolation; social networks and trust; spatial forms of racial inequality; and the role of institutions in generating collective action.

Note: Expected to be given in 2007–08.

[Sociology 236. Selected Topics in Culture and Inequality]

Catalog Number: 0582

Michèle Lamont

Half course (spring term). Hours to be arranged.

Introduction to cultural sociology, particularly as it intersects with the study of inequality. Topics: Symbolic boundaries, cultural capital, cultural consumption, identity, race and class cultures, anti-racism, cultural repertoires, explanation, interpretation, and comparative research strategies.

Note: Expected to be given in 2007–08.

Sociology 237. Contemporary Chinese Society: Seminar

Catalog Number: 4320

Martin K. Whyte

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

A seminar devoted to the intensive analysis of a particular aspect of contemporary Chinese society. This year the focus will be on trends in inequality and stratification in China.

Sociology 243. Economic Sociology

Catalog Number: 2022

Mariko Chang

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Introduction to economic sociology at the graduate level. Surveys economic inequality and the ways that economic behavior and outcomes are shaped by social institutions such as markets, networks, organizations, the family, the state, and culture.



[Sociology 244. Topics in Economic Sociology]

Catalog Number: 8692

Mary C. Brinton

Half course (fall term). Hours to be arranged.

Compares how sociologists and economists view the development and operation of markets and how they analyze individuals' behavior in market settings, with particular attention to labor markets.

Note: Expected to be given in 2007–08.

[*Sociology 249. “Race,” Culture, and Social Structure: Seminar]

Catalog Number: 5727

Orlando Patterson

Half course (spring term). Hours to be arranged.

Examines socio-economic and cultural dimensions of racial inequality in the US. External and institutional factors accounting for inequality and internal problems will be examined. Political and economic consequences of various policies aimed at reducing inequality such as affirmative action will be explored, giving attention to family structure and gender relations and policies relating to them. and to the policies relating to them.

Note: Expected to be given in 2007–08.

***Sociology 255. Social Stratification: Seminar**

Catalog Number: 3839

Jason Beckfield

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Examines theoretical and empirical approaches to understanding the sources, structure and consequences of persistent social inequalities.

[Sociology 256. Sociology of Education: Seminar]

Catalog Number: 7794

Prudence L. Carter

Half course (spring term). Hours to be arranged.

Examines current theory and research about education's role in contemporary society, including its connections to communities, the economy, social stratification and cultural reproduction; and the role of organizational and internal school processes on student achievement.

Note: Expected to be given in 2007–08.

[Sociology 258. Social Organization of the Modern City: Seminar]

Catalog Number: 2373

Robert J. Sampson

Half course (spring term). Hours to be arranged.

Examines the social organization of modern cities, highlighting the role of social networks in the following domains: personal ties, sexual marketplaces, technology-mediated connections, community power, civic engagement, and social movements.

Note: Expected to be given in 2007–08.



[Sociology 262. Comparative International Social and Educational Research]

Catalog Number: 0627

Prudence L. Carter

Half course (spring term). Hours to be arranged.

Examines theoretical and methodological literature about myriad sociological issues pertaining to economic, educational, social, and cultural inequality.

Note: Expected to be given in 2007–08. Designed for graduate students with interests in comparative international research in education and social stratification.

[Sociology 263. Globalization and Comparative Inequality - \(New Course\)](#)

Catalog Number: 6503

Jason Beckfield

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

This seminar focuses on the intersection of globalization, in its diverse forms, and inequality, in comparative and cross-national perspective. We begin by reviewing the basic conceptualizations of globalization, including its economic, political, social, and cultural dimensions. After developing an understanding of the various forms and definitions of globalization, we then turn to consider how globalization can be connected to inequality. We conclude by exploring the implications of research on globalization and inequality for the normative debate that animates so much contemporary writing on globalization.

[Sociology 266. Social Foundations of Justice]

Catalog Number: 1660

Christopher Winship

Half course (spring term). Hours to be arranged.

Why and how do people come to see a situation as just. This research seminar explores work in sociology, psychology, political science, and philosophy. The goal is for students to launch their own research project.

Note: Expected to be given in 2007–08.

[*Sociology 271. Sociology of Culture: Seminar]

Catalog Number: 5401

Jason A. Kaufman

Half course (fall term). Hours to be arranged.

Reviews contemporary themes and approaches in the sociology of culture. Topics will include media and mass society; class, culture, and power; the production of culture; neo-institutionalism; culture and cognition; macro-theories of social change; and methodology.

Note: Expected to be given in 2007–08.

[*Sociology 275. Social Network Analysis: Seminar]

Catalog Number: 6899

Peter V. Marsden

Half course (fall term). Hours to be arranged.

Concepts and methods for studying social structure using social networks. Approaches to collecting network data; data quality; graph-theoretic, statistical, and visual approaches to



analyzing network data, including blockmodels and multidimensional scaling.

Note: Expected to be given in 2007–08.

***Sociology 296a. Proseminar on Inequality and Social Policy I**

Catalog Number: 6231 Enrollment: Limited to 18.

Christopher Jencks (Kennedy School)

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Deals with the causes of economic inequality, including demand for various kinds of skills, the supply of such skills, cultural differences, political attitudes, political institutions, and living arrangements.

Note: Offered jointly with the Kennedy School as HLE-511. Meets at the Kennedy School.

Cross-listed Courses

***Government 2340. Proseminar on Inequality and Social Policy II**

[*Psychology 2630. Social Behavior in Organizations: Seminar]

Graduate Courses of Reading and Research

[*Sociology 300. Workshop on Race/Ethnicity, Culture and Social Structure]

Catalog Number: 6654

Orlando Patterson 1091 (on leave fall term)

A venue for graduate students and other advanced scholars working on all aspects of minority-majority relations, the condition of Afro-Americans and other disadvantaged ethnic groups, and the evaluation of related public policies and programs.

Note: Expected to be given in 2007–08.

***Sociology 301. Special Reading and Research**

Catalog Number: 4017

David L. Ager 5142, Mary C. Brinton 4567, Prudence L. Carter 3973 (on leave 2006-07), Mariko Chang 1563 (fall term only), Nicholas A. Christakis (Medical School) 4459, Frank Dobbin 4622 (on leave 2006-07), Mary-Jo Del Vecchio Good (Medical School) 7721, Neil Gross 4975 (on leave fall term), Christopher Jencks (Kennedy School) 2160, Jason A. Kaufman 2147, Tamara Kay 5611, Michèle Lamont 4634 (on leave 2006-07), Stanley Lieberson 1937, Peter V. Marsden 1797, Orlando Patterson 1091 (on leave fall term), Robert J. Sampson 4546 (on leave spring term), Theda Skocpol 1387, Mary C. Waters 1498, Martin K. Whyte 3737, William Julius Wilson 2401, and Christopher Winship 3189

Half course (fall term; repeated spring term). Hours to be arranged.

***Sociology 302. Direction of Doctoral Dissertations**

Catalog Number: 5021

Members of the Department

***Sociology 303a. Advanced Topics in Quantitative Research**

Catalog Number: 5636

Christopher Winship 3189



Half course (fall term; repeated spring term). Hours to be arranged.

Examines current methodological scholarship in the social sciences with an eye to assessing its quality and potential for advancing quantitative methods. Recently published and unpublished work by local scholars examined.

***Sociology 304. Culture and Social Analysis Workshop**

Catalog Number: 2809

Neil Gross 4975 (on leave fall term) and Michèle Lamont 4634 (on leave 2006-07)

Half course (fall term; repeated spring term). F., 12–2. EXAM GROUP: 5, 6

A venue for those working on topics such as meaning-making, identity, collective memory, symbolic boundaries, cultural capital, class cultures, popular culture, media, disciplinary cultures, and the impact of culture on inequality.

***Sociology 305. Teaching Practicum**

Catalog Number: 0259

Jason A. Kaufman 2147 and staff

Half course (fall term). Th., 5–7 p.m. EXAM GROUP: 18

Note: Required of and limited to graduate students in Sociology. Attendance at first meeting is required.

***Sociology 306r. Colloquium in Sociology**

Catalog Number: 4818

Tamara Kay 5611

Half course (fall term). Tu., 12–2. EXAM GROUP: 14, 15

Provides a forum for advanced graduate students for presentation of their research. Only graduate students in sociology may register for credit. Students registered for credit must make a seminar presentation during the term.

***Sociology 307. Workshop on Inequality and Social Policy III**

Catalog Number: 0137

William Julius Wilson 2401

Half course (fall term). M., 2–4.

Students develop previously completed papers from Sociology 296a or 296b into professional presentations and publishable articles, critique peer papers across disciplines, and discuss presentations of national experts.

Note: Offered jointly with the Kennedy School as HLE-513.

Prerequisite: Sociology 296a or 296b (or HLE-511 or HLE-512 at the Kennedy School) or by permission of instructor.

***Sociology 308. Workshop on Economic Sociology**

Catalog Number: 0086

Jason Beckfield 5612

Half course (fall term; repeated spring term). W., 3:30–5.

Presentations and discussions of new research by members of the community and visiting scholars. Students are exposed to the major paradigms in the field, and see how research articles are developed and refined.



***Sociology 309. Migration and Immigrant Incorporation Workshop**

Catalog Number: 9932

Mary C. Waters 1498

Half course (fall term; repeated spring term). Th., 3–4:30.

Bi-weekly colloquium for graduate students that examines international migration and the incorporation of migrants into host societies. Students participate in meetings and present original work in progress.

***Sociology 311. Family and Childhood Research Workshop - (New Course)**

Catalog Number: 1062

Martin K. Whyte 3737

Half course (fall term; repeated spring term). Th., 12–2.

A venue for the presentation of works-in-progress by those with an interest in family formation and dissolution, child well-being, youth development, and the impact of the social environment on families and children.

Cross-listed Courses

***Government 3004. Research Workshop in American Politics**

***Social Policy 301. Research and Social Policy Seminar**

South Asian Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on South Asian Studies

Sugata Bose, Gardiner Professor of Oceanic History and Affairs (*Chair*)

Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures

Homi K. Bhabha, Anne F. Rothenberg Professor of the Humanities

Diana L. Eck, Fredric Wertham Professor of Law and Psychiatry in Society

Rena Fonseca, Lecturer on History and Literature

William A. Graham, Jr., Murray A. Albertson Professor of Middle Eastern Studies (*FAS*) and

John Lord O'Brian Professor of Divinity (*Divinity School*)

Engseng Ho, Frederick S. Danzinger Associate Professor of Anthropology and of Social Studies

Smita Lahiri, Associate Professor of Anthropology

Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science (*on leave spring term*)

Parimal G. Patil, Associate Professor of the Study of Religion and of Sanskrit and Indian Studies

Peter P. Rogers, Gordon McKay Professor of Environmental Engineering (*on leave spring term*)



Amartya Sen, Lamont University Professor (*on leave spring term*)
 Sharmila Sen, Assistant Professor of English and American Literature and Language
 Ajantha Subramanian, Assistant Professor of Anthropology and of Social Studies
 Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies
 Michael Witzel, Wales Professor of Sanskrit
 Richard K. Wolf, Harris K. Weston Associate Professor of the Humanities

The Committee on South Asian Studies is a multi-disciplinary group of scholars appointed to coordinate teaching and research on South Asia (the nation-states of India, Pakistan, Bangladesh, Sri Lanka, Nepal, Bhutan, the Maldives and their neighboring areas) among Harvard's departments and schools and is concerned with the planned development of South Asian studies in the University as a whole. It works in close collaboration with the Asia Center, especially its South Asia Initiative, to promote the study of South Asia in a comparative and global context. In association with the Asia Center, it sponsors lectures, seminars, conferences, films and exhibitions on South Asia. There are currently three FAS seminar series wholly focused on South Asia: South Asia without Borders, the South Asia Politics Seminar and the South Asia Humanities Seminar.

The Committee is working to expand the range of curricular options open to undergraduates. An undergraduate concentration is currently offered in the Department of Sanskrit and Indian Studies. Graduate degrees with a South Asian focus can be sought in the Departments of History, Religion, Sanskrit and Indian Studies and other departments. A PhD degree can be pursued in the Department of History in South Asian and Indian Ocean history. South Asian religions can be studied towards a PhD degree under the Committee on the Study of Religion. The Department of Near Eastern Languages and Civilizations offers a PhD track in Indo-Islamic culture. The Asia Center awards several South Asia-related undergraduate and graduate research and travel grants and fellowships.

At present, Harvard offers more than 100 non-language courses in South Asian Studies in various departments of the Faculty of Arts and Sciences and Professional Schools on a regular basis, with many offered every year and all offered at least once every three years. Of these, over 60 consist of 100 percent South Asian content. Courses with at least 25 percent South Asian content number nearly 40. More than 30 language courses are offered with at least three-year sequences in Hindi-Urdu and Sanskrit. Reciprocal cross-registration agreements are in place with the Massachusetts Institute of Technology and for graduate students at the Fletcher School of Law and Diplomacy at Tufts University.

Core Courses of Interest

[Foreign Cultures 12. Sources of Indian Civilization]

[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies](#)

[Historical Study A-16. The Making of Modern South Asia](#)

[Literature and Arts C-18. Hindu Myth, Image, and Pilgrimage](#)

Freshman Seminars of Interest



***Freshman Seminar 44p. Contemporary India: Fact and Fiction**

Courses of Interest

***Anthropology 1020. Debates in the Archaeology of India and Pakistan: Seminar - (New Course)**

[Anthropology 1120. Comparative Analysis of Ancient Civilizations]

[Anthropology 1630 (formerly Anthropology 132). Anthropology of Religion]

Anthropology 1690 (formerly Anthropology 178). Consuming Passions: Cultures of Materialism in Asia

[Anthropology 1840 (formerly Anthropology 183). Comparative Liberation Theologies]

Anthropology 2780 (formerly Anthropology 283). Culture and Citizenship

***Anthropology 2810r. Research Seminar on the Middle East and Islamic Frontiers**

[Anthropology 2830 (formerly Anthropology 223). Mobility]

[Anthropology 2880 (formerly Anthropology 238). Reorienting Southeast Asia]

[Anthropology 2985. Sociocultural Space and Time: Seminar]

***Anthropology 3100 (formerly *Anthropology 3023). Old World Archaeology (Europe, Asia, and Africa)**

***Anthropology 3111 (formerly *Anthropology 3024). Asiatic Archaeology and Ethnography**

[Economics 2057. Rational Choice]

[Economics 2335. The Industrial Sector in Developing Countries]

Economics 2390b. Development Economics I: Microeconomic Issues

Economics 2390d. The Economic Growth and Development Workshop

English 166x. The Postcolonial Classic

[English 167p. Postcolonial Narratives]

[*English 290. Postcolonial Discourse: Graduate Seminar] - (New Course)

***Government 90gs. Civil Society in Asia**

History 1895. The Indian Ocean in Comparative Perspective: Conference Course

History 1958. Islam and Ethnicity: Conference Course

***History of Art and Architecture 123v. Monuments of Medieval Islamic Architecture (7th–13th Century)**

[*History of Art and Architecture 124z. Architecture and Dynastic Legitimacy: The Early Modern Islamic Empires (1450-1650)]

[*History of Art and Architecture 224m. Drawing in the Pre-Modern Islamic World]

[Indian Studies 107. Tradition and Modernity in the Urdu-Hindi Short Story]

[Indian Studies 110. History of South Asia to 1200 CE]

Indian Studies 118. Indian Philosophy: Advanced Introduction

[Indian Studies 121. Hindutva: Sources, Methods, Implications for Research and Teaching] - (New Course)

[Indian Studies 203. Select Topics: Survey of Middle Indic Languages and Literatures] - (New Course)

[Indian Studies 206. Old Indian and Eurasian Creation Myths: Seminar]

[Indian Studies 207a. Understanding Indian Ritual]

[Indian Studies 207b. Understanding Indian Ritual]

[Indian Studies 211. Archaic Indian Religion: The Vedas. Seminar]



[*Islamic Civilizations 241r. Approaches to Studying Indo-Muslim Culture and South Asian](#)

[Islam](#)

[Linguistics 122. Introduction to Indo-European](#)

[Linguistics 220ar. Advanced Indo-European]

[Linguistics 221r. Workshop in Indo-European](#)

[Music 190r. Topics in World Music: Proseminar](#)

[*Music 190rs. Topics in World Music: Proseminar]

[Music 201b. Current Methods in Ethnomusicology](#)

[Music 207r. Ethnomusicology: Seminar](#)

[Nepali 101a. Introductory Nepali]

[Nepali 101b. Introductory Nepali]

[Pali 101a. Introductory Pali](#)

[Pali 101b. Introductory Pali](#)

[Pali 102a. Intermediate Pali](#)

[*Pali 102b. Intermediate Pali](#)

[Pali 103r. Readings in Pali](#)

[Persian A. Elementary Persian](#)

[Religion 1061. Reading Hindu Texts Interreligiously I: The Upanisads and Advaita: Seminar]

[Religion 1063. South Asian Religious Aesthetics: Seminar]

[Religion 1600. Introduction to Hinduism](#)

[Religion 1625. Indian Religions Through Their Narrative Literatures]

[Religion 1627. Hindu Ethics: Seminar]

[Religion 1631. Hindu Traditions of Devotion]

[Religion 1635. Reading Pre-Modern Hindu Narrative Literature: Seminar]

[Religion 1645. Sacred Space and Pilgrimage in India: Seminar - \(New Course\)](#)

[Religion 1650. Modern Hindu Movements: Seminar]

[Religion 1700. Introduction to Buddhism, in Theory and Practice]

[Religion 1706. South Asian Buddhism: Dharmas, Emptiness, and Idealism]

[*Religion 1820 (formerly *Religion 1585). Islam in South Asia: Religion, Culture, and Identity in South Asian Muslim Societies]

[Sanskrit 101a. Elementary Sanskrit](#)

[Sanskrit 101b. Elementary Sanskrit](#)

[Sanskrit 102a. Intermediate Sanskrit I](#)

[Sanskrit 102b. Intermediate Sanskrit II](#)

[Sanskrit 130a. Readings from the Upanisads I - \(New Course\)](#)

[Sanskrit 130b. Readings from the Upanisads II - \(New Course\)](#)

[Sanskrit 200ar. Advanced Poetic Sanskrit](#)

[Sanskrit 200br. Advanced Poetic Sanskrit]

[Sanskrit 201ar. Advanced Philosophical Sanskrit]

[Sanskrit 201br. Advanced Philosophical Sanskrit]

[Sanskrit 204ar. Introduction to Vedic Sanskrit and Literature]

[Sanskrit 204br. Introduction to Vedic Sanskrit and Literature]

[Sanskrit 207b. Advanced Mantra Texts: Atharvaveda] - (New Course)

[Sanskrit 212br. Advanced Literary Sanskrit](#)

[Sanskrit 214. Ritual Sutras]



[Sanskrit 215ar. Dharmasastra and Arthasastra]

*Sanskrit 301. Reading and Research

[Social Studies 98is. Religion and Social Transformation in South Asia](#)

[Studies of Women, Gender, and Sexuality 1001. Feminist Theory: Postcolonial Perspectives](#)

[Urdu 101. Introductory Urdu-Hindi](#)

[Urdu 102. Intermediate Urdu-Hindi](#)

[Urdu 103a. Advanced Urdu-Hindi](#)

[Urdu 103b. Advanced Urdu-Hindi](#)

[Urdu 104. The Classical Urdu Ghazal and Its Symbolism](#)

[Urdu 105r. Topics in Urdu-Hindi Literature](#)

[Urdu 106r. Advanced Oral Proficiency in Urdu-Hindi](#)

Special Concentrations

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Special Concentrations

Julie A. Buckler, Professor of Slavic Languages and Literatures (*Chair*)

Allan M. Brandt, Professor of the History of Science (FAS) and Amalie Moses Kass Professor of the History of Medicine (Medical School)

Deborah D. Foster, Senior Lecturer on Folklore and Mythology (*Director of Undergraduate Studies*)

Byron J. Good, Professor of Medical Anthropology (*Medical School*)

Mary-Jo Del Vecchio Good, Professor of Social Medicine (*Medical School*)

David A. Haig, George Putnam Professor of Organismic and Evolutionary Biology

Jason A. Kaufman, John L. Loeb Associate Professor of the Social Sciences

Stephen M. Kosslyn, John Lindsley Professor of Psychology

Karel F. Liem, Henry Bryant Bigelow Professor of Ichthyology; Curator of Ichthyology

Elizabeth D. Lyman, Assistant Professor of English and American Literature and Language

Stephen A. Marglin, Walter S. Barker Professor of Economics (*on leave fall term*)

Robb Moss, Rudolf Arnheim Lecturer on Filmmaking

Sandra Naddaff, Senior Lecturer on Literature and Comparative Literature

Peter P. Rogers, Gordon McKay Professor of Environmental Engineering (*on leave spring term*)

Daniel M. Wegner, Professor of Psychology

Christopher Winship, Diker-Tishman Professor of Sociology

Richard K. Wolf, Harris K. Weston Associate Professor of the Humanities

Application forms and information on completing petitions for Special Concentrations may be obtained from the Committee's office, located in Warren House (near the Barker Center).



Primarily for Undergraduates

***Special Concentrations 91r. Supervised Reading and Research**

Catalog Number: 2815

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open to Special Concentrations concentrators who wish to pursue supervised study for graded credit in an area not covered by courses currently offered by regular Departments and Committees. Students must secure the written approval of the faculty member with whom they wish to study and the signature of the Faculty Adviser and the Director of Undergraduate Studies of Special Concentrations.

***Special Concentrations 96r. Senior Projects**

Catalog Number: 0829

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Designed for seniors in their final term completing their senior project to meet the Basic (rather than Honors) requirements for concentration. May be repeated with the permission of the Director of Undergraduate Studies and the Faculty Adviser. Students must secure the written approval of the faculty member with whom they wish to study and the signature of the Faculty Adviser and the Director of Undergraduate Studies of Special Concentrations.

***Special Concentrations 97r. Tutorial — Sophomore Year**

Catalog Number: 2660

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Ordinarily taken by honors sophomores.

***Special Concentrations 98r. Tutorial — Junior Year**

Catalog Number: 2497

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion two terms of *Special Concentrations 98r are ordinarily required of all honors concentrators in their junior year. Exceptions to this can only be granted with the consent of the Faculty Adviser and the Director of Undergraduate Studies of Special Concentrations.

***Special Concentrations 99. Tutorial — Senior Year**

Catalog Number: 3294

Deborah D. Foster and members of the Committee

Full course. Hours to be arranged.

Note: Ordinarily taken by honors seniors as a full course. Either half year may be taken as a half course only with the consent of the Faculty Adviser and the Director of Undergraduate Studies of Special Concentrations. Graded Sat/Unsat.



Statistics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Statistics

Xiao-Li Meng, Professor of Statistics (*Chair and Co-Head Tutor*)
 Jose Blanchet, Assistant Professor of Statistics (*on leave spring term*)
 Joseph K. Blitzstein, Assistant Professor of Statistics
 Mark E. Glickman, Visiting Associate Professor of Statistics (*Boston University*)
 Gopika R. Goswami, Lecturer on Statistics, Post-Doctoral Fellow in Statistics (*fall term only*)
 Rima Izem, Assistant Professor of Statistics (*Co-Head Tutor*)
 S.C. Samuel Kou, John L. Loeb Associate Professor of the Natural Sciences (*Director of Graduate Studies, fall term*)
 Yoonjung Lee, Assistant Professor of Statistics
 Jun S. Liu, Professor of Statistics (*on leave spring term*)
 Carl N. Morris, Professor of Statistics (*Director of Graduate Studies, spring term*) (*on leave fall term*)
 Donald B. Rubin, John L. Loeb Professor of Statistics (*on leave fall term*)
 Kenneth E. Stanley, Lecturer on Statistics (*FAS*) and Lecturer on Biostatistics (*Public Health*)

Other Faculty Offering Instruction in the Department of Statistics

Arthur P. Dempster, Research Professor of Theoretical Statistics
 David P. Harrington, Professor of Biostatistics (*Public Health*)
 Guido W. Imbens, Professor of Economics (*on leave spring term*)
 Xiaole Shirley Liu, Assistant Professor of Biostatistics (*Public Health*)
 Christopher J. Paciorek, Assistant Professor of Biostatistics (*Public Health*)
 Bernard Rosner, Professor of Medicine (*Medical School, Public Health*)
 Louise M. Ryan, Henry Pickering Walcott Professor of Biostatistics (*Public Health*)
 Patrick J. Wolfe, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment
 Alan M. Zaslavsky, Professor of Health Care Policy (*Medical School*)

The Statistics Department offers four courses at the introductory level (below Statistics 110). Statistics 100 and 101 (bracketed in 2006–07) are essentially equivalent in terms of their quantitative requirements, but differ in the amount of emphasis placed on different techniques and applications. Statistics 100 emphasizes regression, including multiple regression, which is essential in economics and related fields. Statistics 101 emphasizes analysis of variance, which is widely used in experimentally oriented subjects such as psychology and biology. Statistics 104 combines the content of Statistics 100 and 101, and moves somewhat faster than these courses, assuming a stronger quantitative orientation. Statistics 102 is comparable to Statistics 104 in its technical level, but is specifically oriented toward biomedical applications and techniques.



Generally, Statistics 104 and 101 will be accepted as fulfilling any requirement or prerequisite which is fulfilled by Statistics 100. Consult the Statistics Department or your tutorial office for more information about which courses satisfy your concentration requirements, and for guidance on selecting a course. More detailed information can be accessed through the network at the Statistics Department website at www.stat.harvard.edu.

Primarily for Undergraduates

***Statistics 91r. Supervised Reading and Research**

Catalog Number: 6641

Rima Izem, Xiao-Li Meng, and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Normally may not be taken more than twice; may be counted for concentration in Statistics if taken for graded credit; may be taken in either term; for further information consult with Head Tutor.

***Statistics 99hf. Tutorial — Senior Year**

Catalog Number: 4381

Rima Izem, Xiao-Li Meng, and members of the Department

Half course (throughout the year). Hours to be arranged.

The systematic application of statistical ideas to a problem area.

Note: In exceptional circumstances, may be taken alternatively as a half course in the spring term only.

For Undergraduates and Graduates

Statistics 100. Introduction to Quantitative Methods

Catalog Number: 3808

Mark Glickman and Gopika R. Goswami (fall term); David P. Harrington (Public Health)

Half course (fall term; repeated spring term). Fall: Section I: M., W., F., at 10; Section II: Tu., Th., 10-11:30; and a section to be arranged. Spring: Section I: M., W., F., at 11; and a section to be arranged. EXAM GROUP: Fall: 3; Spring: 4

Introduces the key ideas underlying statistical and quantitative reasoning, including fundamentals of probability. Topics may include elements of sample surveys, experimental design and observational studies, descriptive and summary statistics for both measured and counted variables, and statistical inference including estimation and tests of hypotheses as applied to one- and two-sample problems, regression with one or more predictors, correlation, and analysis of variance. Emphasizes simple and multiple regression and applications in nonexperimental fields including, but not limited to, economics.

Note: Only one of the following courses may be taken for credit: Statistics 100, 101, 104. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

[Statistics 101. Introduction to Quantitative Methods]

Catalog Number: 5128



Half course (fall term). Hours to be arranged.

Covers the same topics as Statistics 100. Emphasizes the analysis of variance, applied in experimental fields such as psychology and other behavioral sciences.

Note: Expected to be given in 2007–08. Only one of the following courses may be taken for credit: Statistics 100, 101, 104. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Statistics 102. Fundamentals of Biostatistics

Catalog Number: 0266

Bernard Rosner (Medical School, Public Health)

Half course (spring term). M., W., F., at 11, and a section to be arranged. EXAM GROUP: 4

An introduction to statistical methods used in biological and medical research. Elementary probability theory, basic concepts of statistical inference, sampling theory, regression and correlation methods, analysis of variance, study design. Emphasis on applications to medical problems.

Note: Primarily for undergraduates with medical or biological interests. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Statistics 104. Introduction to Quantitative Methods

Catalog Number: 4582

Kenneth E. Stanley (FAS, Public Health)

Half course (fall term; repeated spring term). Fall: M., W., F., at 11; Spring: M., W., F., at 12, and a section to be arranged. EXAM GROUP: Fall: 4; Spring: 5

Same topics as 100 and 101, at a slightly higher level. Applications will be drawn from fields such as economics, behavioral and health sciences and policy analysis.

Note: Only one of the following courses may be taken for credit: Statistics 100, 101, 104. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Statistics 110. Introduction to Probability

Catalog Number: 0147

Joseph K. Blitzstein

Half course (fall term). M., W., F., at 12, and a section to be arranged. EXAM GROUP: 5

A comprehensive introduction to probability. Basics: sample spaces and events, conditional probability, Bayes Theorem. Univariate distributions: mass functions and density, expectation and variance, probability inequalities, binomial, Poisson, normal, geometric, and gamma distributions. Multivariate distributions: joint and conditional distribution, independence, transformations, multivariate normal. Limit laws: law of large numbers, central limit theorem. Markov chains: transition probability, stationary distribution, convergence.

Note: This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 21a or equivalent required, concurrent Mathematics 21b or equivalent recommended.



Statistics 111. Introduction to Theoretical Statistics

Catalog Number: 1836

S.C. Samuel Kou

Half course (spring term). M., W., F., at 12, and a section to be arranged. EXAM GROUP: 5
Basic concepts of statistical inference from frequentist and Bayesian perspectives. Topics include maximum likelihood methods, confidence and Bayesian interval estimation, hypothesis testing, least squares methods, and categorical data analysis.

Prerequisite: Statistics 110 and Mathematics 21a and 21b (may be taken concurrently) or equivalent.

Statistics 115. Introduction to Computational Biology and Bioinformatics - (New Course)

Catalog Number: 9776

Jun S. Liu and Xiaole Shirley Liu (Public Health)

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Basic problems, algorithms and data analysis approaches in computational biology. Topics include sequence alignment, gene finding and annotation, phylogenetics, microarray analysis, transcription regulation, comparative genomics, RNA/protein structure prediction, proteomics and SNP analysis. Computational algorithms covered include hidden Markov model, Gibbs sampler, clustering and classification methods.

Prerequisite: Good quantitative skills, strong interest in biology, willingness and diligence to learn programming.

Statistics 131. Times Series Analysis and Forecasting

Catalog Number: 8291

Jose Blanchet

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An introduction to time series models and associated methods of data analysis and inference. Auto regressive (AR), moving average (MA), ARMA, and ARIMA processes, stationary and non-stationary processes, seasonal processes, auto-correlation and partial auto-correlation functions, identification of models, estimation of parameters, diagnostic checking of fitted models, forecasting, time domain regression approach including Box-Jenkins method, and spectral analysis.

Prerequisite: Statistics 111 and 139 or equivalent.

Statistics 135. Statistical Computing Software

Catalog Number: 3451

Steven Richard Finch

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

An introduction to major statistics packages used in academics and industry (S-Plus, R, SAS). Will discuss data entry and manipulation, implementing standard analyses and graphics, exploratory data analysis, simulation based methods, and programming new methods.

Prerequisite: Statistics 110 or 139 (may be taken concurrently) or with permission of instructor.

Statistics 139. Statistical Sleuthing Through Linear Models

Catalog Number: 1450

Yoonjung Lee



Half course (fall term). Tu., Th., 10–11:30, and a section to be arranged. EXAM GROUP: 12, 13
Formerly “Regression Analysis,” now a serious introduction to statistical inference when linear models and related methods are used. Topics include the pros and cons of t-tools and their alternatives, multiple-group comparisons, linear regressions, model checking and refinement. The emphasis is on statistical thinking and tools for real-life problems, including current events whenever relevant.

Prerequisite: Statistics 100 or equivalent and Mathematics 21a and 21b or equivalent.

Statistics 140. Design of Experiments

Catalog Number: 7112

Rima Izem

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Statistical designs for the estimation of the effects of treatments in randomized experiments. Topics include brief review of some basic structural inference procedures, analysis of variance, randomized block and Latin square designs, balanced incomplete block designs, factorial designs, nested factorial designs, confounding in blocks, and fractional replications.

Prerequisite: Statistics 100 or equivalent and Mathematics 21a and 21b.

Statistics 149. Statistical Sleuthing through Generalized Linear Models

Catalog Number: 6617

Xiao-Li Meng

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

A sequel to Statistics 139, with emphasis on, but not limited to, common methods for analyzing categorical data and their pros and cons. Topics include contingency tables, log-linear models, logistic, Probit and Poisson regression, model criticisms and refinement. Examples drawn from many fields, particularly in the life, medical, and social sciences. Current events used whenever possible.

Prerequisite: Statistics 139 or permission of instructor.

Statistics 155. Spatial Statistics for Social Inquiry and Health Research - (New Course)

Catalog Number: 1993

Rima Izem, Christopher J. Paciorek (Public Health), and Louise M. Ryan (Public Health)

Half course (spring term). Tu., Th., 10:30–12. EXAM GROUP: 12, 13

Introduction to spatial statistics with application to social science and public health research. Emphasizes methods for the analysis and visualization of three basic types of spatial data: area data, point (geostatistical) data, and point processes. Heavy emphasis on real applied problems through case studies, guest lectures, and student projects.

Note: Basic GIS skills will be covered in a short module. May not be taken for credit if Biostatistics 283 has already been taken. May not be taken concurrently with Biostatistics 283. Offered jointly with the School of Public Health as BIO 283.

Prerequisite: Coursework or equivalent experience in regression at the level of Statistics 139 or 149, Economics 1123, Psychology 1951, Biostatistics 210, 211, or 213, and coursework or equivalent experience in statistical programming such as Statistics 135 or Biostatistics 503 or permission of instructors. Prerequisites are guidelines and students are encouraged to consult the instructors.



[Statistics 160. Design and Analysis of Sample Surveys]

Catalog Number: 2993

Alan M. Zaslavsky (Medical School)

Half course (fall term). Hours to be arranged.

Methods for design and analysis of sample surveys. The toolkit of sample design features, their use in optimal sample design strategies, and sampling weights and variance estimation methods (including resampling methods). Brief overview of nonstatistical aspects of survey methodology such as questionnaire design and validation. Additional topics include variance estimation for complex surveys and estimators, nonresponse, missing data, hierarchical models for survey data, and small-area estimation.

Note: Expected to be given in 2007–08.

Prerequisite: Statistics 111 or 139, or permission of instructor.

Statistics 170. Introduction to Quantitative Methods in Finance - (New Course)

Catalog Number: 1202

Yoonjung Lee

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Introduces stochastic analysis tools to be used as a basis for developing continuous-time asset pricing theory. Various quantitative methods widely used in the financial industry for valuing derivative products will be presented: binomial-tree valuation methods, extensions of the Black-Scholes option pricing formula, numerical techniques for solving partial differential equations, and Monte Carlo simulations.

Prerequisite: Statistics 110 and 111 or equivalent.

Statistics 171. Introduction to Stochastic Processes

Catalog Number: 4180

S.C. Samuel Kou

Half course (spring term). M., W., F., at 10, and a section to be arranged. EXAM GROUP: 3

An introductory course in stochastic processes. Topics include Markov chains, branching processes, Poisson processes, birth and death processes, renewal theory, queuing theory, Brownian motion, Martingales, and their applications.

Prerequisite: Statistics 110 or equivalent.

Primarily for Graduates

Statistics 210. Probability Theory and Mathematical Statistics

Catalog Number: 2487

Jose Blanchet

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Random variables, their distributions and densities. Families of distributions. Expectation. Independence, product spaces, and joint distributions. Types of convergence. Limit theorems. Conditional probability and expectation, multivariate Normal distribution, conjugate, marginal, and conditional distributions. Inequalities, approximations, and stochastic simulation. Sampling distributions, likelihood function, sufficiency, and information.

Prerequisite: Courses in probability and statistics at least at the level of Statistics 110, 111.



Statistics 211. Probability Theory and Mathematical Statistics II

Catalog Number: 1946

Carl N. Morris and Joseph K. Blitzstein

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Introduction to statistical inference. Frequency, Bayesian, and decision-theoretic approaches. Likelihood, sufficiency, and exponential families. Testing hypotheses and estimation. Maximum likelihood estimation, likelihood ratio tests, Bayes Factor, models for frequency data, large and moderate sample approximations, including the delta method.

Prerequisite: Advanced calculus, Statistics 210, or equivalent.

[Statistics 214. Causal Inference in Statistics and the Social and Biomedical Sciences]

Catalog Number: 4042

Guido W. Imbens and Donald B. Rubin

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Approaches to causal inference. Covers randomized experiments with and without noncompliance, observational studies with and without ignorable treatment assignment, instrumental variables and sensitivity analysis. A number of applications from economics, medicine, education, etc., are discussed.

Note: Expected to be given in 2007–08.

[Statistics 215. Fundamentals of Computational Biology]

Catalog Number: 3304

Jun S. Liu

Half course (spring term). Hours to be arranged.

Developments in bioinformatics/computational biology: The basics of statistical estimation, BLAST methods and theory, cDNA sequence analysis, clustering and classification methods, data resources, hidden Markov models, Gibbs sampler, microarray analysis, gene regulatory motif discoveries, phylogenetic inference, protein structures, comparative genomics.

Note: Expected to be given in 2007–08.

Statistics 217hf (formerly Statistics 217). Probabilistic Inference

Catalog Number: 6678

Arthur P. Dempster

Half course (throughout the year). Spring: Tu., 6:30–9 p.m. EXAM GROUP: Spring: 18

Methods for quantifying situation-specific uncertainties are reviewed historically and evaluated relative to current scientific needs, including Dempster-Shafer logic that substitutes probabilities of “don’t know” for unsupported parts of Bayesian models and inferences.

Prerequisite: Statistics 110 and 111, or equivalent.

Statistics 220. Bayesian Data Analysis

Catalog Number: 6270

Jun S. Liu

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Basic Bayesian models, followed by more complicated hierarchical and mixture models with nonstandard solutions. Includes methods for monitoring adequacy of models and examining sensitivity of conclusions to change in models.



Note: Throughout, emphasis on drawing inferences via computer simulation rather than mathematical analysis.

Prerequisite: Statistics 110 and 111.

Statistics 221. Statistical Computing Methods

Catalog Number: 5959

Jun S. Liu

Half course (spring term). Tu., F., 2:30–4. EXAM GROUP: 7, 8, 16, 17

Computing methods commonly used in statistics: Generation of random numbers, Monte Carlo methods, optimization methods, numerical integration, and advanced Bayesian computational tools such as the Gibbs sampler, Metropolis Hastings, the method of auxiliary variables, marginal and conditional data augmentation, slice sampling, exact sampling, and reversible jump MCMC.

Note: Computer programming exercises apply the methods discussed in class.

Prerequisite: Linear algebra, Statistics 111, and knowledge of a computer programming language. Statistics 220 is recommended.

[Statistics 225. Spatial Statistics]

Catalog Number: 6499

Rima Izem

Half course (fall term). Hours to be arranged.

Introduction of three types of spatial data: point pattern, geospatial, and lattice. For each type of data, presentation and application of statistical and computational methods for description, modeling, and analysis.

Note: Expected to be given in 2007–08.

Statistics 230. Multivariate Statistical Analysis

Catalog Number: 5206

Joseph K. Blitzstein and Carl N. Morris

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Inference and dimension reduction methods for multivariate data. Topics include advanced matrix theory, multivariate normal and related distributions, principal component analysis, factor analysis, projection pursuit, and clustering.

Prerequisite: Statistics 210 and 211 or equivalent.

Statistics 231. Time Series Analysis and Forecasting - (New Course)

Catalog Number: 7537

Jose Blanchet

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Meets with Statistics 131 but graduate students will be exposed to more rigorous treatment of time series analysis.

Prerequisite: Statistics 111 and 139 or equivalent.

[Statistics 232. Incomplete Multivariate Data]

Catalog Number: 4196



Half course (spring term). Hours to be arranged.

Methods for handling incomplete data sets with general patterns of missing data, emphasizing the likelihood-based and Bayesian approaches. Focus on the application and theory of iterative maximization methods, iterative simulation methods, and multiple imputation.

Note: Expected to be given in 2007–08.

Prerequisite: Courses in probability (Statistics 110-level), theoretical statistics (Statistics 111-level), and knowledge of regression and linear algebra (Statistics 139-level).

Statistics 239. Statistical Sleuthing Through Linear Models - (New Course)

Catalog Number: 8433

Yoonjung Lee

Half course (fall term). Tu., Th., 10–11:30 and a weekly section to be arranged. EXAM GROUP: 12, 13

Meets with Statistics 139, but graduate students will be required to complete extra assignments designed to cover theoretical aspects of regression analysis.

Statistics 249. Statistical Sleuthing Through Generalized Linear Models

Catalog Number: 3987

Xiao-Li Meng

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

Graduate-level version of Statistics 149. Meets with Statistics 149, but covers supplementary topics such as Bayesian analysis for generalized linear models and generalized mixed effect models. Will require extra homework and examination problems in addition to those for Statistics 149.

Prerequisite: Statistics 139, Statistics 220, or Statistics 221, or permission of the instructor.

[Statistics 251. Signal and Image Processing and Inference Using Wavelets]

Catalog Number: 3506

Half course (fall term). Hours to be arranged.

Meets with Engineering Sciences 251 but with additional emphasis on statistical modeling and inference. Theory of time-frequency/time-scale methods, methodologies for and motivated by statistical inference and missing-data problems, associated computational algorithms, and fundamental engineering applications.

Note: Expected to be given in 2007–08.

Prerequisite: Engineering Sciences 156 or equivalent, knowledge of probability theory and/or statistics at the level of Statistics 110/111 or above, and programming experience, or permission of instructor.

Statistics 270. Introduction to Quantitative Methods in Finance

Catalog Number: 3518

Yoonjung Lee

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Meets with Statistics 170 but graduate students will be exposed to more rigorous treatment of stochastic calculus.

Prerequisite: Statistics 110 and 171 or equivalent.



[Statistics 271. Advanced Stochastic Processes]

Catalog Number: 0875

Jose Blanchet

Half course (fall term). Hours to be arranged.

Theory of regenerative processes, Markov processes in general state spaces, rates of convergence to stationarity, CLTs, coupling and exact-simulation using regeneration. Martingales, rare-event analysis via large deviations techniques, diffusion and jump-diffusion processes, functional central limit theorems, stochastic calculus.

Note: Expected to be given in 2007–08.

Cross-listed Courses

[Biostatistics 244. Analysis of Failure Time Data](#)

[*Biostatistics 250. Probability Theory and Applications II](#)

[*Government 3009. Research Workshop in Applied Statistics](#)

Graduate Courses of Reading and Research

***Statistics 301. Special Reading and Research**

Catalog Number: 4474

Jose Blanchet 5017 (on leave spring term), Joseph K. Blitzstein 5588, Arthur P. Dempster 2345, Rima Izem 4944, S.C. Samuel Kou 4054, Yoonjung Lee 5300, Jun S. Liu 3760 (on leave spring term), Xiao-Li Meng 4023, Carl N. Morris 2178 (on leave fall term), Bernard Rosner (Medical School, Public Health) 4018, Donald B. Rubin 7966 (on leave fall term), and Alan M. Zaslavsky (Medical School) 1927

***Statistics 302. Direction of Doctoral Dissertations**

Catalog Number: 3382

Jose Blanchet 5017 (on leave spring term), Joseph K. Blitzstein 5588, Arthur P. Dempster 2345, Rima Izem 4944, S.C. Samuel Kou 4054, Yoonjung Lee 5300, Jun S. Liu 3760 (on leave spring term), Xiao-Li Meng 4023, Carl N. Morris 2178 (on leave fall term), Bernard Rosner (Medical School, Public Health) 4018, Donald B. Rubin 7966 (on leave fall term), and Alan M. Zaslavsky (Medical School) 1927

***Statistics 303hf. The Art and Practice of Teaching Statistics**

Catalog Number: 3545

Xiao-Li Meng 4023 and Yoonjung Lee 5300

Half course (throughout the year). Fall: M., 12–2; Spring: M., 11–1.

Required of all first-year doctoral students in Statistics.

***Statistics 310hfr. Topics in Astrostatistics**

Catalog Number: 2105

Xiao-Li Meng 4023

Half course (throughout the year). Fall: Tu., 10–11:30; Spring: Tu., 11:30–1.



[*Statistics 311. Monte Carlo Methods in Scientific Computing]

Catalog Number: 0826

Jun S. Liu 3760 (on leave spring term)

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2007–08.

Prerequisite: Statistics 220 or equivalent.

[*Statistics 315. Computational Biology and Bioinformatics]

Catalog Number: 0553

Jun S. Liu 3760 (on leave spring term)

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2007–08.

***Statistics 321. Stochastic Modeling and Bayesian Inference**

Catalog Number: 4060

S.C. Samuel Kou 4054

Half course (spring term). Hours to be arranged.

Stochastic processes and their applications in biological, chemical and financial modeling.

Bayesian inference about stochastic models based on the Monte Carlo sampling approach.

***Statistics 323. Computational and Statistical Methods in Finance**

Catalog Number: 4328

Jose Blanchet 5017 (on leave spring term)

Half course (spring term). Hours to be arranged.

Briefly reviews basic concepts and models in multi-period asset pricing theory. Emphasis then on parameter estimation and calibration as well as computational and statistical issues arising in pricing, hedging, credit risk, and insurance risk modeling.

Prerequisite: Statistics 111 and 171 or equivalent (some exposure to time series analysis at the level of Statistics 131 can be useful but not necessary).

***Statistics 325. Functional Data Analysis**

Catalog Number: 7747

Rima Izem 4944

Half course (fall term). Hours to be arranged.

Statistical methods for exploration and analysis of Functional Data (sets of curves, images, or shapes) with applications in biology.

[*Statistics 332. Topics in Missing Data]

Catalog Number: 9483

Xiao-Li Meng 4023 and Donald B. Rubin 7966 (on leave fall term)

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2007–08.

***Statistics 340. Random Graph Models - (New Course)**

Catalog Number: 1650

Joseph K. Blitzstein 5588



Half course (spring term). Hours to be arranged.

Random graph models for biological, social, and information networks, including fixed degree, power law, small world, and geometric random graphs.

[*Statistics 370. Topics in Continuous-Time Finance]

Catalog Number: 3593

Yoonjung Lee 5300

Half course (spring term). Hours to be arranged.

Exposes students to a variety of topics in the Asset Pricing Theory in a continuous-time framework. Basic statistical tools covered included stochastic processes, martingale analysis, and filtering theory.

Note: Expected to be given in 2007–08.

[*Statistics 371. Advanced Applied Probability]

Catalog Number: 3595

Jose Blanchet 5017 (on leave spring term)

Half course (spring term). Hours to be arranged.

The study of limit theorems and efficient computational algorithms for the performance analysis and/or control of complex stochastic systems.

Note: Expected to be given in 2007–08.

Systems Biology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Systems Biology

Pamela A. Silver, Professor of Systems Biology (*Medical School*) (*Chair*)

Michael P. Brenner, Glover Professor of Applied Mathematics and Applied Physics, Tutor in Biochemical Sciences

Martha L. Bulyk, Assistant Professor of Medicine and Health Sciences and Technology and of Pathology (*Medical School*)

Lewis C. Cantley, Professor of Medicine (*Medical School*)

George M. Church, Professor of Genetics (*Medical School*)

Catherine Dulac, Higgins Professor of Molecular and Cellular Biology

Daniel S. Fisher, Professor of Physics and Professor of Applied Physics (*on leave fall term*)

Walter Fontana, Professor of Systems Biology (*Medical School*)

Melissa Franklin, Mallinckrodt Professor of Physics

Jeremy M. Gunawardena, Senior Lecturer on Systems Biology (*Medical School*)

Marc W. Kirschner, Professor of Systems Biology (*Medical School*)



Roy Kishony, Assistant Professor of Systems Biology (*Medical School*)
 Galit Lahav, Assistant Professor of Systems Biology (*Medical School*)
 Eric S. Lander, Professor of Systems Biology (*Medical School*)
 Richard M. Losick, Maria Moors Cabot Professor of Biology
 Gavin MacBeath, Associate Professor of Chemistry and Chemical Biology
 L. Mahadevan, Lola England Professor of Applied Mathematics (*on leave 2006-07*)
 Christopher Marx, Assistant Professor of Organismic and Evolutionary Biology
 Timothy J. Mitchison, Hasib Sabbagh Professor of Systems Biology (*Medical School*)
 Vamsi K. Mootha, Assistant Professor of Systems Biology (*Medical School*)
 Andrew W. Murray, Herchel Smith Professor of Molecular Genetics
 Radhika Nagpal, Assistant Professor of Computer Science on the Gordon McKay Endowment
 Martin A. Nowak, Professor of Mathematics and of Biology
 Erin K. O'Shea, Professor of Molecular and Cellular Biology
 Kevin K. Parker, Assistant Professor of Biomedical Engineering on the Gordon McKay Endowment
 Johan M. Paulsson, Assistant Professor of Systems Biology (*Medical School*)
 Tom Rapoport, Professor of Cell Biology (*Medical School*)
 Aviv Regev, Assistant Professor of Biology (*Broad Institute, MIT*)
 Frederick P. Roth, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Alan Saghatelian, Assistant Professor of Chemistry and Chemical Biology
 Alexander F. Schier, Professor of Molecular and Cellular Biology
 Brian Seed, Professor of Genetics (*Medical School*)
 Jagesh V. Shah, Assistant Professor of Systems Biology, of Medicine, and of Health Sciences and Technology (*Medical School*)
 William Shih, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Peter K. Sorger, Professor of Systems Biology (*Medical School*)
 Antoine van Oijen, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 David A. Weitz, Mallinckrodt Professor of Physics and of Applied Physics
 Xiaoliang Sunney Xie, Professor of Chemistry and Chemical Biology
 Xiaowei Zhuang, Professor of Chemistry and Chemical Biology

Systems Biology students should consult course listings from the departments of Biological Sciences, Biophysics, Chemistry, the Division of Engineering and Applied Sciences (Applied Mathematics, Applied Physics, Computer Sciences, Engineering Sciences), and the Division of Medical Sciences.

For Undergraduates and Graduates

[Systems Biology 102. Systems Cell Biology]

Catalog Number: 3642

Timothy J. Mitchison (Medical School) and Pamela A. Silver (Medical School)

Half course (spring term). Hours to be arranged.

Exploring modern basic cell biology and cutting edge research approaches that used chemical,



physical or computational tools to address important problems.

Note: Expected to be given in 2007–08. For students interested in how their knowledge base can contribute to developing research approaches. Intended for upper-level undergraduates and first-year graduate students in the physical sciences. Little or no cell biology background required.

Prerequisite: At least one undergraduate course in molecular biology or biochemistry.

Cross-Listed Courses for Undergraduates and Graduates

[Applied Mathematics 115. Mathematical Modeling](#)

[[Applied Mathematics 147. Nonlinear Dynamical Systems](#)]

[[Biophysics 170. Quantitative Genomics](#)]

[Chemistry 60. Foundations of Physical Chemistry](#)

[Chemistry 161. Statistical Thermodynamics](#)

[Chemistry 163. Frontiers in Biophysics](#)

[Computer Science 181. Intelligent Machines: Perception, Learning, and Uncertainty](#)

[Engineering Sciences 145. Physiological Systems Analysis](#)

[Engineering Sciences 156. Signals and Systems](#)

[Mathematics 106. Ordinary Differential Equations](#)

[Mathematics 153. Mathematical Biology-Evolutionary Dynamics](#)

[MCB 111 \(formerly MCB 211\). Mathematics in Biology](#)

[*MCB 155. Molecular Mechanisms of Gene Control](#)

[MCB 173. Optical Imaging in the Biological Sciences](#)

[OEB 181. Systematics](#)

[OEB 192. Microbial Evolution - \(New Course\)](#)

[[Physics 140. Introduction to Biophysics](#)]

[Physics 181. Statistical Mechanics and Thermodynamics](#)

Primarily for Graduates

[Systems Biology 200 \(formerly Systems Biology 101\). A Systems Approach to Biology](#)

Catalog Number: 8701

Walter Fontana (Medical School), Jeremy M. Gunawardena (Medical School), and Johan M. Paulsson (Medical School)

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

How do the collective interactions of molecules, sub-systems, and cells allow for the adaptive and evolvable behavior of living systems? Quantitative techniques and modeling approaches can shed light on this question. Introduces theoretical tools and computational approaches from mathematics, physics, computer science, and engineering in the context of biological problems and situations. Discusses major unsolved questions in biology, such as what makes living systems good at evolving, and how these approaches may be useful to address them.

Note: The course will include an introduction to the use of MATLAB for model-building.

Prerequisite: Mathematics 1b required, and MCB 54 or MCB 56 recommended.

[Systems Biology 201. Seminar in Systems Biology - \(New Course\)](#)

Catalog Number: 5148

Timothy J. Mitchison (Medical School) and Jagesh V. Shah (Medical School)



Half course (fall term). W., 2–5. EXAM GROUP: 7, 8, 9

This course will examine concepts and methods in systems biology. We will follow the development of the field and the current thinking through primary reading of classic and modern papers.

Note: Discussion groups will be held in weekly 3-hour sections.

Cross-Listed Courses Primarily for Graduates

[Applied Physics 269r. Topics in Statistical Physics and Quantitative Biology]

[BCMP 200. Molecular Biology](#)

[BCMP 201. Proteins: Structure, Function and Catalysis](#)

[BCMP 207. Molecular Approaches to Drug Action, Discovery, and Design](#)

[Biophysics 204. Structural Biology From Molecules to Cells](#)

[Biophysics 205. Computational and Functional Genomics](#)

[Biostatistics 280. Introduction to Computational Molecular Biology]

[Cell Biology 201. Molecular Biology of the Cell](#)

[Chemical Biology 2100 \(formerly Biophysics 201\). Organic Chemistry for Biologists](#)

[Engineering Sciences 215. Advanced Physiological Systems Analysis](#)

[*Engineering Sciences 222 \(formerly Engineering Sciences 219r\). Advanced Cellular Engineering](#)

[Genetics 201. Principles of Genetics](#)

[Mathematics 234. Evolutionary Dynamics](#)

[MCB 212. Topics in Biophysics](#)

[Microbiology 200. Molecular Microbiology and Pathogenesis](#)

[OEB 279. Topics in Microbial Metabolic Systems - \(New Course\)](#)

[Statistics 215. Fundamentals of Computational Biology]

Graduate Courses of Reading and Research

***Systems Biology 300hf. Introduction to Systems Biology Research**

Catalog Number: 4103

Pamela A. Silver (Medical School) 1595

Half course (throughout the year). M., 6–7:30 pm.

Introductory lectures by faculty in Systems Biology program. Weekly lectures will introduce the research areas of current program faculty in systems biology. For more information about this course, please visit the following website: www.courses.fas.harvard.edu/4103.

***Systems Biology 301. Special Topics in Systems Biology**

Catalog Number: 8834

Roy Kishony (Medical School) 5501 and Vamsi K. Mootha (Medical School) 5337

Half course (spring term). Hours to be arranged.

An exploration of new directions for the field of systems biology. We will identify major unsolved questions in biology and discuss possible new approaches to these questions offered by systems biology. For more information, please visit www.courses.fas.harvard.edu/8834.



***Systems Biology 350. Systems Biology Research**

Catalog Number: 8370

Pamela A. Silver (Medical School) 1595 and members of the Committee

Upper level Systems Biology students register for this course when they permanently join a lab. Students should register under the supervising PI.

***Systems Biology 399. Introduction to Systems Biology: Rotations**

Catalog Number: 5863

Pamela A. Silver (Medical School) 1595

Half course (fall term; repeated spring term). M., 6–7:30 pm.

The course will introduce the research areas of faculty performing research in systems biology. Intended for Systems Biology lab rotations. For more information about this course, please visit the following website: www.courses.fas.harvard.edu/5863.

Cross-Listed Graduate Courses of Reading and Research

***Computer Science 307,308. Biologically-Inspired Multi-Agent Systems, Distributed Systems, and Computational Biology**

Ukrainian Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Ukrainian Studies

Michael S. Flier, Oleksandr Potebnja Professor of Ukrainian Philology (*Chair*)

Patricia R. Chaput, Professor of the Practice of Slavic Languages

Timothy J. Colton, Morris and Anna Feldberg Professor of Government and Russian Studies

Grzegorz Ekiert, Professor of Government (*on leave 2006-07*)

George G. Grabowicz, Dmytro Cyzevs'kyj Professor of Ukrainian Literature

Terry D. Martin, George F. Baker III Professor of Russian Studies

Other Faculty Offering Instruction in Ukrainian Studies

Roman Szporluk, Mykhailo S. Hrushevs'kyi Research Professor of Ukrainian History

The Standing Committee on Ukrainian Studies was created by vote of the Faculty on October 29, 1974, to facilitate the systematic study of and coordinate work on Ukrainian subjects throughout the departments of the University. No degree specifically in Ukrainian Studies is offered on either the undergraduate or the graduate level. Students wishing to obtain a higher degree in a



particular discipline of Ukrainian Studies, such as language, literature, politics, or history, should first fulfill all the requirements of the department of their scholarly discipline (departments of Government, History, Linguistics, or Slavic Languages and Literatures). Only then should they proceed to the fulfillment of specific qualifications in the Ukrainian aspect of their disciplines under the supervision of the Committee's faculty. The weekly, interdisciplinary Seminar in Ukrainian Studies serves to introduce the methodology, analysis, and specific aspects of Ukrainian disciplines. Attendance at the seminar, therefore, is a prerequisite for any further study.

Working in cooperation with the graduate students and faculty of the Ukrainian Research Institute, founded in June 1973, the Committee sponsors events and activities of interest to specialists in Ukrainian studies. The Institute also maintains a research library and publications office. Specific questions concerning Ukrainian Studies and requests for the pamphlet describing Ukrainian Studies at Harvard should be addressed to the Director of the Institute, at 1583 Massachusetts Avenue, Cambridge, MA 02138.

Primarily for Graduates

***Ukrainian 200. Ukrainian Studies: Seminar**

Catalog Number: 7927

Michael S. Flier, George G. Grabowicz, and staff

Full course. M., 4–6. EXAM GROUP: 9

Interdisciplinary seminar concentrating on methodological aspects of the Ukrainian disciplines. Seminar members and guests from other departments of the University and other universities discuss specific topics from analytical and comparative perspectives. Covers history, philology, linguistics, literature, Orientalism, art, sociology, economics, and political science.

Courses of Interest

[Government 1203. East European Politics and Societies]

Linguistics 250. Old Church Slavonic

Slavic Ga. Beginning Ukrainian I

Slavic Gb. Beginning Ukrainian II

***Slavic Gr. Supervised Readings in Intermediate/Advanced Ukrainian**

Slavic 125. Modern Russian in Historical Perspective

Slavic 165. Survey of 19th-Century Ukrainian Literature

[Slavic 169. 20th-Century Ukraine: Literature, Arts, and Society]

[Slavic 201. Introduction to East Slavic Languages]

Slavic 223. 19th-Century Ukrainian Poetry

[Slavic 292. 20th-Century Ukrainian Prose]



Visual and Environmental Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Visual and Environmental Studies

Marjorie Garber, William R. Kenan, Jr. Professor of English and American Literature and Language and of Visual and Environmental Studies (*Chair*)

Dominique Bluher, Lecturer on Visual and Environmental Studies

Giuliana Bruno, Professor of Visual and Environmental Studies (*on leave 2006-07*)

J. D. Connor, Assistant Professor of Visual and Environmental Studies and of English and American Literature and Language (*Director of Undergraduate Studies for Film Studies*) (*on leave fall term*)

Thomas Eggerer, Visiting Lecturer on Visual and Environmental Studies, Associate of the Department of Visual and Environmental Studies (*fall term only*)

Maureen Gallace, Visiting Lecturer on Visual and Environmental Studies (*spring term only*)

Alfred F. Guzzetti, Osgood Hooker Professor of Visual Arts (*on leave spring term*)

Sharon C. Harper, Assistant Professor of Visual and Environmental Studies

Carla Herrera-Prats, Shirley Carter Burden Visiting Lecturer on Visual and Environmental Studies (*fall term only*)

James Hoberman, Visiting Lecturer on Visual and Environmental Studies (*spring term only*)

Despina Kakoudaki, Associate Professor of Visual and Environmental Studies and of Comparative Literature (*on leave spring term*)

Chris Killip, Professor of Visual and Environmental Studies

Gina Kim, Visiting Lecturer on Visual and Environmental Studies

Carrie Lambert-Beatty, Assistant Professor of History of Art and Architecture and of Visual and Environmental Studies

Annette Lemieux, Professor of the Practice of Studio Arts

Ruth S. Lingford, Professor of the Practice of Animation

Julie M. Mallozzi, Visiting Lecturer on Visual and Environmental Studies, Teaching Assistant in Visual and Environmental Studies (*spring term only*)

Ross McElwee, Professor of the Practice of Filmmaking

Helen Mirra, Assistant Professor of Visual and Environmental Studies

Nancy Mitchnick, Rudolf Arnheim Lecturer on Studio Arts

Robb Moss, Rudolf Arnheim Lecturer on Filmmaking (*Director of Undergraduate Studies*)

Lorelei M. Pepi, Visiting Lecturer on Visual and Environmental Studies

Stephen Prina, Professor of Visual and Environmental Studies (*on leave spring term*)

D. N. Rodowick, Professor of Visual and Environmental Studies (*Director of Graduate Studies for Film and Visual Studies*)

John R. Stilgoe, Robert and Lois Orchard Professor in the History of Landscape Development

Lucien G. Taylor, Assistant Professor of Visual and Environmental Studies and of Anthropology (*on leave spring term*)

Haidee Wasson, Visiting Assistant Professor of Visual and Environmental Studies, Associate of the Department of Visual and Environmental Studies (*Concordia University*) (*spring term only*)

Other Faculty Offering Instruction in the Department of Visual and Environmental Studies



Tom Conley, Abbott Lawrence Lowell Professor of Romance Languages and Literatures (*fall term only*)

Eric Rentschler, Arthur Kingsley Porter Professor of Germanic Languages and Literatures

The curriculum of the Department of Visual and Environmental Studies engages both practical and theoretical aspects of the built environment, digital media, drawing, film, painting, performance, photography, printmaking, sculpture, sound, video, and writing.

Most introductory-level courses are generally designated with two-digit course numbers and non-introductory courses with three-digit course numbers. The introductory course in Film Studies, *Literature and Arts B-11, The Art of Film*, can be found in the Literature and Arts B section in the *Courses of Instruction*.

Tutorials or special research projects may be taken only if they have been approved by the Director of Undergraduate Studies. Application forms for all VES tutorials can be picked up in the VES Department Office or downloaded from the VES website at www.ves.fas.harvard.edu.

In addition to the studio and lecture courses taught by members of the faculty of Visual and Environmental Studies, the department encourages students to explore course opportunities at the MIT Institute for Advanced Visual Studies as well as the Harvard Graduate School of Design.

Each term the department sponsors a lecture series held at the Carpenter Center for the Visual Arts. These lectures are designed to augment and inform the curriculum of the department and are usually held on Thursday evenings.

For further information on the faculty and courses in the Department of Visual and Environmental Studies, requirements for concentration, as well as the Carpenter Center lecture series, please contact the department office located on the 1st Floor of the Carpenter Center for the Visual Arts, 24 Quincy Street or visit our website at www.ves.fas.harvard.edu.

Primarily for Undergraduates

[*Visual and Environmental Studies 10ar. Drawing Towards Movement: Studio Course - \(New Course\)](#)

Catalog Number: 4455 Enrollment: Limited to 12.

Ruth S. Lingford

Half course (spring term). M., W., 1–4.

In this introductory drawing class we will use elements of animation to explore some possibilities of drawing. We will explore different sorts of drawing, working towards an understanding of movement. We will work with digital drawing, observational drawing, sequential drawing, as well as storyboards.

Note: No previous studio experience necessary.

[*Visual and Environmental Studies 11. Drawing the Body: Studio Course](#)

Catalog Number: 6625 Enrollment: Limited to 12.

Nancy Mitchnick



Half course (fall term). Tu., Th., 1–4.

Using traditional drawing materials, this class will work on developing keen observational skills as well as inventing episodic figural sequences. Drawing from life, and using some material from art, the Internet, imagination, and popular culture, students will work within the traditions of figure drawing, which will include specific anatomical, medical, and historical study. Students will also develop investigations concerning the interior space of bodies with a view toward metaphor, allegory, and narrative.

Note: No previous studio experience necessary.

[*Visual and Environmental Studies 12ar. Drawing with Two Hands: Studio Course - \(New Course\)](#)

Catalog Number: 0899 Enrollment: Limited to 12.

Thomas Eggerer

Half course (fall term). M., W., 1–4.

“How is drawing, and what is it doing and what can it do today?” These questions, as quoted from *Scorched Earth* (Gareth James, Sam Lewitt, Cheyney Thompson; New York, 2005) will inform the work discussed, viewed, and produced in this introductory level drawing course.

Note: No previous studio experience necessary.

[*Visual and Environmental Studies 15ar. Silkscreen: Studio Course](#)

Catalog Number: 2262 Enrollment: Limited to 12.

Annette Lemieux

Half course (fall term). M., W., 9–12.

For the student who is interested in the manipulation of found and original imagery. Students will create monotypes on paper and other surfaces utilizing the silkscreen process. Through slide presentations, the class will be introduced to the work of artists such as Rauschenberg and Warhol, as well as others who use the silkscreen process.

Note: No previous studio experience necessary.

[*Visual and Environmental Studies 20ar. Plane Image: Studio Course](#)

Catalog Number: 2621 Enrollment: Limited to 12.

Nancy Mitchnick

Half course (fall term). W., 1–4 and 6–9 pm.

In this entry-level studio course, specific assignments will be used to demonstrate how the materials of painting work. Students will begin by using acrylic paint to work through problem sets having to do with space and light, and oil paint will be introduced later in the term. We will approach painting as a complex process with clear areas of practice and inquiry. Historical art and contemporary issues will inform individual investigations.

[*Visual and Environmental Studies 20br. Color and Culture: Studio Course](#)

Catalog Number: 4193 Enrollment: Limited to 12.

Nancy Mitchnick

Half course (spring term). W., 1–4 and 6–9 pm.

Slide talks, lectures, critique and student presentations will be the teaching structure for this introductory level painting course that investigates color theory in practice. The primary medium will be oil paint and the emphasis will be the nature of color and how it works in painting space.



In addition, historical uses of color will be part of our subject and the book *Color and Culture* will be the primary text.

Note: In addition to studio work, three short written assignments will be required.

Prerequisite: Portfolio presentation or permission of the instructor.

***Visual and Environmental Studies 21ar. Painting: Materials and Methods: Studio Course - (New Course)**

Catalog Number: 2773 Enrollment: Limited to 12.

Maureen Gallace

Half course (spring term). M., 1–5; and 6–8 pm.

This course will use traditional subjects (still life, landscape, and the figure) as well as traditional materials (acrylic and oil paints). The course will be structured around specific assignments at the beginning, leading to more individual projects later. Group and individual critiques will be an integral component to this course.

Note: No previous studio experience necessary.

***Visual and Environmental Studies 30ar. Sculpture: Inside: Studio Course - (New Course)**

Catalog Number: 9446 Enrollment: Limited to 12.

Helen Mirra

Half course (fall term). Tu., Th., 1–4.

A studio course, generally for making and talking about works related to the inside, literally and figuratively.

Note: No previous studio experience necessary.

***Visual and Environmental Studies 30br. Sculpture: Outside: Studio Course - (New Course)**

Catalog Number: 0413 Enrollment: Limited to 12.

Helen Mirra

Half course (spring term). Th., 9–12 and three additional hours to be arranged. EXAM GROUP: 11, 12, 13

A studio course, generally for making and talking about works related to the outside: the political, social, natural and built worlds.

Note: May be taken independently of VES 30ar.

Prerequisite: At least one VES half-course, or permission of the instructor.

***Visual and Environmental Studies 32. Reconstruction: Studio Course - (New Course)**

Catalog Number: 1790 Enrollment: Limited to 12.

Helen Mirra

Half course (spring term). Tu., Th., 1–4.

A studio course, for making things out of other things, attending to the realms of demolition, waste, surplus, and detritus.

Note: No previous studio experience necessary.

***Visual and Environmental Studies 37 (formerly *137). Lay of the Land: Studio Course**

Catalog Number: 3090 Enrollment: Limited to 12.

Stephen Prina



Half course (fall term). Tu., Th., 1–4.

The pursuit of and response to the horizontal in art will be the focus of this studio class. To cite a few examples, abstract expressionist painting, cartography, earthworks, landscape photography, 19th-century German Romantic landscape painting, and Rayograms will provide models of the horizontal that will be points of departure for studio projects, the forms of which will be determined by what the investigation provides. Students will shift medium from project to project.

Note: No previous studio experience necessary.

[*Visual and Environmental Studies 40a. Introduction to Still Photography: Studio Course](#)

Catalog Number: 2010 Enrollment: Fall: Limited to 20; Spring: Limited to 10.

Chris Killip

Half course (fall term; repeated spring term). Fall: M., W., 9–12; or M., W., 1–4; Spring: M., W., 1–4.

Introduction to still photography through individual and group exercises, with an emphasis on the medium as a vehicle for expression, documentation, and personal vision. Covers necessary technical, historical, and aesthetic aspects of the medium.

[*Visual and Environmental Studies 40b. Intermediate Photography: Studio Course](#)

Catalog Number: 6256 Enrollment: Limited to 10.

Chris Killip

Half course (spring term). M., W., 9–12.

Designed to extend the student's understanding of the process through which meaning is produced in photography. Examines differing approaches to format, context, and presentation through a series of set projects.

Prerequisite: VES 40a/41a or equivalent preparation (portfolio presentation).

[*Visual and Environmental Studies 41a. Introduction to Still Photography: Studio Course](#)

Catalog Number: 0705 Enrollment: Limited to 10.

Sharon C. Harper

Half course (fall term; repeated spring term). Fall: Tu., Th., 1–4; Spring: Tu., Th., 9–12.

Introduction to still photography with an emphasis on the medium as a vehicle for expression and personal vision. Covers technical, historical, and aesthetic aspects of the medium. Class is organized around slide lectures, individual meetings, group critiques, and readings.

[*Visual and Environmental Studies 41b. Photographic Inquiry: Studio Course - \(New Course\)](#)

Catalog Number: 9484 Enrollment: Limited to 12.

Sharon C. Harper

Half course (fall term). Tu., Th., 9–12.

Class emphasis will be on developing visual ideas for a self-directed photographic project. Class will be structured around regular critiques, individual meetings, readings, class discussions and museum visits. Students will create a group of photographs for a final project that are the result of a sustained, self-directed creative process.

Prerequisite: VES 40a/41a or permission of the instructor.



***Visual and Environmental Studies 50. Fundamentals of Filmmaking: Studio Course**

Catalog Number: 4907 Enrollment: Limited to 20.

Robb Moss and Ross McElwee

Full course. M., 1–4, W., 1–5; or Tu., 1–4, Th., 1–5.

Introductory exercises in live-action filmmaking culminating in the production of a nonfiction film as a group project in the spring term.

***Visual and Environmental Studies 51a. Fundamentals of Video: Studio Course**

Catalog Number: 7526 Enrollment: Limited to 10.

Alfred F. Guzzetti (fall term) and Julie M. Mallozzi (spring term)

Half course (fall term; repeated spring term). M., W., 1–4 with a one-hour lab to be arranged.

A series of nonfiction projects, both individual and collaborative, designed to introduce and explore the range of expressive possibilities in digital video.

***Visual and Environmental Studies 51br. Nonfiction Video Projects: Studio Course**

Catalog Number: 3838 Enrollment: Limited to 10.

Robb Moss

Half course (fall term). Tu., Th., 1–4.

Continuation of VES 51a but may be taken separately with permission of the instructor. Each student plans, shoots, and edits a documentary video of his or her design. Working from a proposal approved in advance by the instructor, shooting should take place over the summer. Editing will take place during the fall term. Readings and screenings augment individual work. *Note:* In exceptional cases, a student will be permitted to take the course without having filmed over the summer, but the student must have a specific proposal for a documentary that can be both shot and edited during the term.

Prerequisite: VES 51a, or another course in live-action film or video.

[*Visual and Environmental Studies 52a. Introduction to Nonfiction Video: Studio Course]

Catalog Number: 5337 Enrollment: Limited to 10.

Robb Moss

Half course (fall term). Hours to be arranged.

This class will explore the expressive use of digital cameras and computer editing in the production of various exercises and individual projects.

Note: Expected to be given in 2007–08. Admission is by interview with the instructor.

***Visual and Environmental Studies 53a. Fundamentals of Animation: Studio Course**

Catalog Number: 1360 Enrollment: Limited to 10.

Ruth S. Lingford

Half course (fall term). Tu., 1–5; with weekly film screenings F., 1–3 pm.

An introduction to the possibilities of animation. Using a mixture of traditional and 2D digital tools, students will complete practical exercises which will familiarize them with basic skills and techniques. Screenings and discussions will help develop the specialized thinking needed to understand the discipline. Students may start a piece of work which may be extended into the Intermediate Animation class in the spring term.

Note: Drawing skills are optional, though helpful.



***Visual and Environmental Studies 53c. Fundamentals of Animation: Studio Course**

Catalog Number: 0888 Enrollment: Limited to 10.

Lorelei M. Pepi

Half course (fall term; repeated spring term). W., 1–5; with weekly film screenings F., 1–3 pm.

An introduction to the art of animation. Students will gain an understanding of animation aesthetics, concepts and history through a series of exercises, discussions and screenings. Students will complete a variety of short, guided projects designed to acquaint them with the main elements of animation. Screenings and discussions will provide a conceptual and historical framework for the exercises.

Note: No previous experience necessary.

***Visual and Environmental Studies 55r. Personal Documentary: Studio Course**

Catalog Number: 0647 Enrollment: Limited to 10.

Gina Kim

Half course (spring term). M., 7–10 pm; Tu., 1–4.

Students, in search of original and innovative ways of self-representation, create confessional and/or performative portraits of the self, using digital video. Classes include screening of selected videotapes and personal documentaries as well as discussions and critiques of each participant's work.

Note: No previous experience in film or video necessary.

Visual and Environmental Studies 71 (formerly 171h). Silent Cinema

Catalog Number: 1971

Dominique Bluher

Half course (fall term). M., W., at 11; with a weekly film screening Tu., 4–6 pm; weekly sections to be arranged. EXAM GROUP: 4

Course surveys form, narrative and style in film throughout the world before the 1930s. Explores the historical and cultural contexts that allowed film's emergence as art and mass culture, and investigates different approaches to narrative and to nonfiction filmmaking that developed in the silent period. Screenings include works by the Lumière and Edison companies, Méliès and Griffith, the French avant-garde, Weimar cinema, and Soviet films.

Note: No background in film history or theory necessary. Required for all students concentrating in Film Studies. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

Visual and Environmental Studies 72 (formerly 172h). Sound Cinema

Catalog Number: 6997

J. D. Connor

Half course (spring term). M., W., at 11; with a weekly film screening M., 4–6 pm; weekly sections to be arranged. EXAM GROUP: 4

How does sound change what we see? What new stories become possible? How does the space of cinema change between 1930 and 1960? What happens when we throw color and widescreen into the mix? We'll seek answers to these questions while investigating the political and industrial contexts of international masters of the medium. Films and filmmakers include: *The Blue Angel*, *Citizen Kane*, *Rashomon*, *The Red Shoes*; Busby Berkeley, Hitchcock, Satyajit Ray, Ozu, and Antonioni.



Note: No background in film history or theory necessary. Required for all students concentrating in Film Studies. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

Tutorials, Projects, and Research

Preparation for thesis is begun in studios and seminars and is carried to completion in a VES 99 tutorial during the senior year. *In rare instances* students needing special preparation not available in regularly offered courses can enroll in an optional junior or even sophomore tutorial, or a special projects course. Tutorial proposals will be considered by the Director of Undergraduate Studies only with written permission of the project adviser and if the material to be covered is substantially different from other departmental offerings. Ordinarily, tutorial proposals must be submitted before Study Cards are due. Check the department calendar for due dates.

Alternatively, students may wish to consider *Visual and Environmental Studies 96r, Directed Research*, which is intended for students who have developed the beginnings of a practice they are prepared to pursue. Please see course description below.

***Visual and Environmental Studies 91r. Special Projects, Reading, and Research**

Catalog Number: 9183

Robb Moss and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Open to a limited number of students who wish to carry out a special project under supervision. Students wishing to enroll in VES 91r must find a member of the faculty to advise the project and submit an application to the Director of Undergraduate Studies.

Note: Letter-graded only. Study cards should be signed by the Director of Undergraduate Studies.

***Visual and Environmental Studies 97r. Tutorial — Sophomore Year**

Catalog Number: 0450

Robb Moss and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Individual instruction in subjects of special interest that cannot be studied in regular courses. Concentrators wishing to take a tutorial in their sophomore year must find a member of the faculty to advise the project and submit an application to the Director of Undergraduate Studies.

Note: Optional for sophomore concentrators. Letter-graded only. Study cards should be signed by the Director of Undergraduate Studies.

***Visual and Environmental Studies 98r. Tutorial — Junior Year**

Catalog Number: 1411

Robb Moss and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Individual instruction in subjects of special interest that cannot be studied in regular courses. Concentrators wishing to take a tutorial in their junior year must find a member of the faculty to advise the project and submit an application to the Director of Undergraduate Studies.



Note: Optional for junior concentrators. Letter-graded only. Study cards should be signed by the Director of Undergraduate Studies.

***Visual and Environmental Studies 99. Tutorial — Senior Year (Thesis/Senior Project)**

Catalog Number: 5141

Robb Moss and members of the Department

Full course. Hours to be arranged.

All students wishing to undertake a VES 99 project must have permission of the project adviser before being considered. The Director of Undergraduate Studies must approve all VES 99 projects and all theses must be approved by the VES Honors Board in advance.

Note: Optional for senior concentrators. Letter-graded only. Students must be enrolled in VES 99 to do a thesis. Study cards should be signed by the Director of Undergraduate Studies. Students doing theses or senior projects in film/video will be required to attend a weekly meeting led by a teaching assistant (in addition to regular tutorial meetings with the VES 99 adviser).

Directed Research

***Visual and Environmental Studies 96r. Directed Research: Studio Course**

Catalog Number: 7299 Enrollment: Limited to 12.

Stephen Prina

Half course (fall term). W., 6–9 pm and additional hours to be arranged.

This course is intended for students who have developed the beginnings of a practice they are prepared to pursue. The motive is to assemble a group of disparate makers who come together to exchange thoughts across disciplines: painting next to photography next to writing next to filmmaking, and so on.

Note: Recommended for concentrators in Visual and Environmental Studies in their junior and senior year but also open to sophomores with permission of the instructor.

For Undergraduates and Graduates

Visual and Environmental Studies 100b (formerly 193). Introduction to Video Art: Art in Media Culture

Catalog Number: 0569

Carrie Lambert-Beatty

Half course (spring term). Tu., Th., at 12; with weekly screenings M., 7–9 pm. EXAM GROUP: 14

Contemporary artists trying to bridge the gap between art and life have to grapple with the fact that more and more of “life” is lived through mass media. Since the 1960s, many have found in video technology an especially appropriate and flexible means for thinking through this condition. This class examines single-channel video and video installation along with related sculpture, performance, conceptual, and new media art.

Note: This is an introductory art history/criticism class. No previous background necessary.

***Visual and Environmental Studies 104. Art and Activism since 1989: Culture Jam - (New Course)**

Catalog Number: 1066 Enrollment: Limited to 12.



Carrie Lambert-Beatty

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

We are living through a period of remarkable creativity in political expression: from anti-consumerism TV ads to imposter websites; “billboard liberation” to faux corporations, digital hijacking to lifestyle performance. Sometimes labeled art, sometimes not, these activities have sources in both political and art history. Where is the line between art and activism today? And how are we to evaluate the efficacy, ethics, and aesthetics of the new hybrids?

Note: Primarily intended for junior and senior concentrators in Visual and Environmental Studies, but others admitted with permission of the instructor.

***Visual and Environmental Studies 107. Studies of the Built North American Environment since 1580**

Catalog Number: 7883 Enrollment: Limited to 20.

John R. Stilgoe

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

North America as an evolving visual environment is analyzed as a systems concatenation involving such constituent elements as farms, small towns, shopping malls, highways, suburbs, and as depicted in fiction, poetry, cartography, television, cinema, and advertising and cybernetic simulation.

Note: Offered jointly with the Graduate School of Design as 4105.

***Visual and Environmental Studies 111r. Drawing the Dark Side: Studio Course - (New Course)**

Catalog Number: 4836 Enrollment: Limited to 12.

Nancy Mitchnick

Half course (spring term). Tu., Th., 1–4.

A figure drawing class that uses sorrow, tragedy, angst, humor, and boredom for its content-laden themes. The figures will always be in a context. Styles will range from classical to contemporary. Sources for imagery will be from life as well as historical painting and popular culture.

Note: Required final project will be either a graphic novel or a three panel altarpiece.

Prerequisite: At least one figure drawing class or portfolio presentation.

***Visual and Environmental Studies 123r. Post Brush: Studio Course**

Catalog Number: 7463 Enrollment: Limited to 12.

Annette Lemieux

Half course (spring term). M., W., 9–12.

Using the silkscreen printing process, students will create paintings and objects that incorporate images and text found in popular culture. Through slides, videos and informal discussions, students will be introduced to the Pop artists of the 20th century as well as other contemporary artists.

Prerequisite: At least one VES studio half-course or permission of the instructor.

***Visual and Environmental Studies 124r. The Narrative in Painting: Studio Course**

Catalog Number: 0679 Enrollment: Limited to 12.

Maureen Gallace



Half course (spring term). Tu., 10–12 and 1–4 pm.

The intention of this class will be to investigate different ways to use, or to effectively imply, narrative in painting. There will be in-depth instruction of materials used for oil painting, including surfaces and preparation. We will discuss studio work in the context of historical and contemporary practices and the emphasis will be on independent studio time. Students will focus on individual projects. Individual and group discussions of students' work will be an important component to this course.

Note: Students will be asked to keep drawing and photo journals.

Prerequisite: At least one VES studio half-course or permission of the instructor (portfolio presentation).

***Visual and Environmental Studies 126r. The Way to Painting (Possibly): Studio Course**

Catalog Number: 3289 Enrollment: Limited to 12.

Thomas Eggerer

Half course (fall term). M., W., 9–12.

As a “painter” I go through a multitude of preparatory activities in the process of making paintings. Curiosities in a particular subject matter may result in a collection of diverse materials. Such an archive could spark a plethora of activities aimed at focusing interests and producing objects of aesthetic qualities. This class will give equal attention to those often under-appreciated processes containing a thought or a spontaneity often lost in a “finished” piece of art.

Prerequisite: At least one VES studio half-course or permission of the instructor (portfolio presentation).

***Visual and Environmental Studies 130ar. Building Paragraphs (Fiction): Studio Course - (New Course)**

Catalog Number: 9319 Enrollment: Limited to 12.

Helen Mirra

Half course (fall term). Tu., 6–9; and additional hours to be arranged. EXAM GROUP: 18

A course in which to explore issues between textuality and visuality, content and form, analogy and abstraction, with a general focus on making sculpture. Projects will build on investigation already begun by the student into a single work of literature.

Prerequisite: At least one VES half-course, or permission of the instructor.

[*Visual and Environmental Studies 130br. Building Paragraphs (Nonfiction): Studio Course] - (New Course)

Catalog Number: 8528 Enrollment: Limited to 12.

Helen Mirra

Half course (fall term). Hours to be arranged.

A course in which to explore issues between textuality and visuality, content and form, analogy and abstraction, objectivity and subjectivity, with a general focus on making sculpture. Projects will build on investigation already begun by the student in a class outside of VES, shifting that thinking into a new kind of substantiality.

Note: Expected to be given in 2007–08.

Prerequisite: At least one VES half-course.



***Visual and Environmental Studies 142br. The Call to Adventure: Photography and Exploration: Studio Course**

Catalog Number: 7162 Enrollment: Limited to 12.

Sharon C. Harper

Half course (spring term). Tu., Th., 1–4.

This class will look at photography as a tool for exploring new territory, and at photography's potential to reflect an experience of place. We will look at photographs of the American West from the 1800s, Antarctica in the early 1900s, images from outer space, photographs of suburban land use, and the documentation of land art in order to frame your own photographic exploration of place.

Prerequisite: VES 40a/41a or VES 40b/41b or equivalent preparation (portfolio presentation).

***Visual and Environmental Studies 145br. Photography and the Archive: Seminar/Workshop - (New Course)**

Catalog Number: 0765 Enrollment: Limited to 12.

Carla Herrera-Prats

Half course (fall term). Tu., 1–4 with additional hours to be arranged.

Utilizing differing strategies and seminal texts on photography, students will examine and research some of the 17 major photographic collections housed at Harvard. The collections to be researched will include: The Peabody Museum, Houghton Library/Harrison Horblitz Collection, The Medical Collection, Observatory/Astrology Collection, and the Schlesinger Library Collection.

Note: Course aimed primarily at undergraduate photography students as well as those with a general interest in photography.

Prerequisite: None

[*Visual and Environmental Studies 147r. Conceptual Strategies in Photography: Studio Course]

Catalog Number: 2011 Enrollment: Limited to 12.

Half course (fall term). Hours to be arranged.

There has been a shift from the traditional notion of “art work” to the idea of “art project.” The “art project” could be understood as a concept structured in a constellation of different but independent elements, in which the author is able to master not only the implicit creative aspects but also a certain social dimension. Students will deal with the sequential steps of a photography project: creative conception, documentation, practical realization, and critical evaluation.

Note: Expected to be given in 2007–08.

Prerequisite: VES 40a/41a or VES 40b/41b or equivalent preparation (portfolio presentation).

***Visual and Environmental Studies 150ar. Intermediate Film Production: Studio Course**

Catalog Number: 4692 Enrollment: Limited to 12.

Gina Kim

Half course (fall term). M., W., 1–4.

Fiction film is a complex art that requires teamwork while at the same time it expresses very personal ideas. Students will explore the technical and artistic possibilities of fiction film directing by writing and shooting two short exercises as well as writing and discussing scripts for



a spring term project. Students will also learn the techniques of lighting, sound recording and editing.

Prerequisite: VES 50.

***Visual and Environmental Studies 150br. Intermediate Film Production: Studio Course**

Catalog Number: 3934 Enrollment: Limited to 12.

Gina Kim

Half course (spring term). M., W., 1–4.

Students will prepare, shoot and edit a short fiction film based on a script developed in the fall term. Students will be required to be involved in shooting, sound recording and editing on other student films. The work will be discussed extensively in class.

Prerequisite: VES 150ar.

***Visual and Environmental Studies 152r. Intermediate Video Workshop: Studio Course**

Catalog Number: 8012 Enrollment: Limited to 10.

Julie M. Mallozzi

Half course (spring term). Tu., Th., 1–4.

An extended nonfiction or experimental video project of the student's design, supplemented by brief exercises to explore form and technique.

Note: Students seeking to enroll should come to the first class meeting with a proposal for a video project to be completed in the course.

Prerequisite: One VES half-course in video production.

***Visual and Environmental Studies 153ar. Intermediate Animation: Studio Course**

Catalog Number: 5211 Enrollment: Limited to 10.

Lorelei M. Pepi

Half course (fall term). Th., 1–5; with weekly film screenings F., 1–3.

In this workshop, each student will plan and produce a single animation-focused project. The course includes more advanced exercises, encouraging students to creatively explore a wide range of possibilities while developing skills. This workshop supports animation as cinematic product, and also how it can be employed in studio art, installation and new media applications. Screenings, discussions and visiting lectures play an important role.

Prerequisite: At least one VES half-course in animation or permission of the instructor.

***Visual and Environmental Studies 153br. Intermediate Animation: Studio Course**

Catalog Number: 3477 Enrollment: Limited to 10.

Ruth S. Lingford

Half course (spring term). Tu., 1–5 with weekly film screenings F., 1–3.

This class offers a chance to extend and deepen skills and understanding of animation and to make a more substantial piece of work. In this course, students plan and produce a single animation project. Additional exercises encourage students to challenge themselves and explore a range of creative possibilities, as well as developing the skills necessary to structure and complete a narrative or non-narrative film.

Prerequisite: At least one VES half-course in animation or permission of the instructor.



***Visual and Environmental Studies 154r. Animation as Installation: Studio Course - (New Course)**

Catalog Number: 5240 Enrollment: Limited to 10.

Lorelei M. Pepi

Half course (spring term). Th., 1–5 and F., 10–12. EXAM GROUP: 15, 16, 17, 18

Course explores the combining of animation media and installation practice and their shared role in contemporary art. Focuses on themes such as animation as fine art, movement/space/body, site-specific work, architecture and definitions of space, use of light and material, and creation of a situation/event. Series of exploratory exercises lead to a final installation project on view for the public. Screenings, readings, discussions, visiting artists and gallery/museum visits are an integral component of this course.

Prerequisite: one VES studio half-course (such as drawing, sculpture or painting) and/or a VES half-course in animation, or with special permission of the instructor.

***Visual and Environmental Studies 157ar. Digital Ethnography I: Studio Course**

Catalog Number: 8779 Enrollment: Limited to 10.

Rebecca Baron

Half course (spring term). Th., 1–4, Tu., 7–10.

First half of a year-long sequence in which students learn to conduct ethnography using digital video, audio, and/or still photography. Emphasis is on pre-production and production in the spring, and on post-production in the fall.

Note: Interview with instructor required for admission.

Prerequisite: At least one course in live-action film or video.

***Visual and Environmental Studies 157br. Digital Ethnography II: Studio Course**

Catalog Number: 5283 Enrollment: Limited to 10.

Lucien G. Taylor

Half course (fall term). Tu., Th., 9–12.

Second half of a year-long sequence in which students learn to conduct ethnography using digital video, audio, and/or still photography. Emphasis will be on post-production of a project developed for VES 157a.

Note: Interview with instructor required for admission.

Prerequisite: VES 157ar.

[*Visual and Environmental Studies 159. Film Theory/Film Practice: Seminar/Workshop]

Catalog Number: 2551 Enrollment: Limited to 10.

Despina Kakoudaki and Robb Moss

Half course (spring term). Hours to be arranged.

Alternating between analysis and production, this course will explore the ways in which the theoretical and the practical influence each other in the thinking about and the making of motion pictures.

Note: Expected to be given in 2007–08.

***Visual and Environmental Studies 160. Modernization in the Visual United States Environment, 1890-2035**

Catalog Number: 6668 Enrollment: Limited to 20.



John R. Stilgoe

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Modernization of the U.S. visual environment as directed by a nobility creating new images and perceptions of such themes as wilderness, flight, privacy, clothing, photography, feminism, status symbolism, and futurist manipulation as illustrated in print-media and other advertising enterprise.

Note: Offered jointly with the Graduate School of Design as 4303.

Prerequisite: VES 107 or permission of the instructor.

***Visual and Environmental Studies 166. North American Seacoasts and Landscapes, Discovery to Present: Seminar**

Catalog Number: 5873

John R. Stilgoe

Half course (fall term). Tu., 1–3 and an hour to be arranged. EXAM GROUP: 15, 16

Selected topics in the history of the North American coastal zone, including the seashore as wilderness, as industrial site, as area of recreation, and as artistic subject; the shape of coastal landscape for conflicting uses over time; and the perception of the seashore as marginal zone in literature, photography, painting, film, television, and advertising.

Note: Offered jointly with the Graduate School of Design as 4304.

Prerequisite: VES 107 and VES 160, or permission of the instructor.

***Visual and Environmental Studies 167. Adventure and Fantasy Simulation, 1871-2036: Seminar**

Catalog Number: 4902

John R. Stilgoe

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Visual constituents of high adventure since the late Victorian era, emphasizing wandering woods, rogues, tomboys, women adventurers, faerie antecedents, halflings, crypto-cartography, Third-Path turning, martial arts, and post-1937 fantasy writing as integrated into contemporary advertising, video, computer-generated simulation, and designed life forms.

Note: Offered jointly with the Graduate School of Design as 4305.

Prerequisite: VES 107, VES 160, and VES 166, or permission of the instructor.

***Visual and Environmental Studies 169. Dreaming and the Moving Image: Seminar - (New Course)**

Catalog Number: 4386 Enrollment: Limited to 12.

Ruth S. Lingford

Half course (fall term). M., 1–4. EXAM GROUP: 6, 7, 8

How do artists and filmmakers access and harness the unconscious? We will examine how dreaming can feed practice, and look at some ways that moving image makers re-present the dream as a shared experience. We will watch a wide range of moving image work, including films by Buñuel, Bergman and Barney, read some key texts relating to the science and history of dreaming, and discuss and develop our own creative ideas.

Note: Recommended for students with prior film/video or studio experience, but others admitted with permission of the instructor.



Visual and Environmental Studies 173t. Contemporary Film Theory - (New Course)

Catalog Number: 9562

D. N. Rodowick

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

A critical and historical survey of the major questions, concepts, and trends in film theory since 1968. Weekly readings and discussion will examine how the study of film and spectatorship have been influenced by semiotics, psychoanalysis, Marxism, postmodernism, feminism, and gay and lesbian criticism, as well as multiculturalism.

Prerequisite: Literature & Arts B-11 (formerly VES 170a) or permission of the instructor.

Visual and Environmental Studies 175a. Framing the I: Autobiography and Film

Catalog Number: 3084

Dominique Bluher

Half course (spring term). M., 4–6; with a weekly film screening Th., 1pm. EXAM GROUP: 9

Cinema offers many ways of telling one's own story which range from fictional features to essay films and works that use found footage. This seminar examines film history's various modes of autobiographical discourse in the context of philosophical and psychoanalytic considerations of the self as well as of experiments in literary and pictorial self-representation.

Prerequisite: At least one course in Film Studies or permission of the instructor.

Visual and Environmental Studies 176x. Melodrama

Catalog Number: 8770

Despina Kakoudaki

Half course (fall term). Th., 4–6 with a weekly film screening M., 7–9 pm. EXAM GROUP: 18

In this class we will develop a historical and theoretical framework for studying melodrama. We will start from the evolution of early film melodrama and its relationship to popular theater, and trace the generic conventions of the mode as they change through the century: in silent melodramas, classical Hollywood formulas and “women's movies,” and contemporary revisions—often in surprising places (for example in action and disaster films).

Note: No background in film history or theory necessary.

[Visual and Environmental Studies 177 (formerly Comparative Literature 183). Film and the Human Body]

Catalog Number: 8403

Despina Kakoudaki

Half course (spring term). Hours to be arranged.

This class explores the challenges of representing the human body on film. Working through a variety of traditions and theoretical models, we will study the cinematic body as a presence and as a surface, and think about how it reflects our assumptions about interiority, potentiality, emotional content, transformability, and resilience. We will address issues of gender, race, and sexuality through feminist, phenomenological, and post-structuralist film theory.

Note: Expected to be given in 2007–08. No background in film history or theory required.

Visual and Environmental Studies 178m. Cinema and Modernity - (New Course)

Catalog Number: 2804

Haidee Wasson (Concordia University)



Half course (spring term). Tu., Th., at 10 with a weekly film screening W., 4–6 pm. EXAM GROUP: 12

Cinema has fundamentally changed the ways we see, think, and know in the modern period. By examining select films (Ruttman, Chaplin, DeMille, Berkeley) and key writings (Epstein, Vertov, Benjamin, Kracauer) this course explores the ways in which cinema and modern life are intertwined. Focusing on the first half of the 20th Century, we will address the interface between cinema and cities, mobility, leisure, surveillance, art, consumerism, gender, and the body.

[Visual and Environmental Studies 180. Film, Modernity and Visual Culture]

Catalog Number: 2874

Giuliana Bruno

Half course (fall term). Hours to be arranged.

This survey of film history looks at major 20th-century ideas on film, art, and perception. It looks at “motion” pictures as a product of modernity, born of specific motion studies, as well as aesthetic and cultural mobility. It relates film to changes in our experience of visual space and follows the evolution of cinema as a technique of observation. Selected films engage aspects of cultural movement including home(land), cityscape, voyage, and socio-sexual space.

Note: Expected to be given in 2007–08. Offered jointly with the Graduate School of Design as 4131.

[Visual and Environmental Studies 181. Frames of Mind: Approaches to Film Theory]

Catalog Number: 0648

Giuliana Bruno

Half course (spring term). Hours to be arranged.

Introduction to the language of film theory, aimed at developing analytic skills to interpret films. A historical survey of classical and contemporary theory that begins with turn-of-the-century scientific motion studies to the emotion studies of Hugo Münsterberg, and reaches the virtual movements of our new millennium. Considers Eisenstein’s theory of montage, the cultural history of the cinematic apparatus, and the body of physical existence, going from Kracauer to gender studies. Different theoretical positions open up our understanding of films, and guide us in reading them.

Note: Expected to be given in 2007–08. Offered jointly with the Graduate School of Design as 4132.

[*Visual and Environmental Studies 182. Film Architectures: Seminar]

Catalog Number: 6864 Enrollment: Limited to 12.

Giuliana Bruno

Half course (fall term). Hours to be arranged.

What is our experience of architecture in cinema? Considering the relation of these two arts of space, we look at how film and architecture are linked in history on the “screen” of the modern age. Highlighting the interaction of modernity, urban culture, and cinema, we explore the architecture of film in relation to the architectures of transit and the culture of travel. Emphasis on readings and case study analysis to pursue research projects and make presentations.

Note: Expected to be given in 2007–08. Active participation in seminar discussions is required. Offered jointly with the Graduate School of Design as 4351.

Prerequisite: A course in film studies or the equivalent course in cultural studies.



***Visual and Environmental Studies 183s. Screens: Seminar - (New Course)**

Catalog Number: 7423 Enrollment: Limited to 12.

Haidee Wasson (Concordia University)

Half course (spring term). Tu., 4–6. EXAM GROUP: 18

From the gigantic to the miniature, from the public to the private, from the stationary to the mobile, screens constitute an increasingly primary interface between us and the world beyond. This course explores the technological, cultural, aesthetic, and political dimensions of screens and their environments. We will consider a variety of screens (Cinerama, Televisions, IMAX, Jumbotrons, Computers, iPods, Cellphones) and investigate how they changed art, entertainment, spectacle, and space.

Note: Previous coursework in Film Studies or related fields helpful, but not required.

[Visual and Environmental Studies 184. Imagining the City: Literature, Film, and the Arts]

Catalog Number: 5736

Giuliana Bruno and Svetlana Boym

Half course (fall term). Hours to be arranged.

How do visual representation and narrative figuration contribute to construct urban identity? Explores the urban imagination in different artforms: architecture, cinema, literature, photography, and painting. Topics to be mapped out include: cities and modernity, metrophilia and metrophobia, the museum and cultural archaeology, the ruin and the construction site, interior space and public sphere, technology and virtual cities. The montage of imaginary cities traverses aspects of different urban environments. We will focus on the European city, as we travel through Paris, Berlin, St. Petersburg, Moscow, Naples, and Rome.

Note: Expected to be given in 2008–09. Offered jointly with the Graduate School of Design as 4353.

[*Visual and Environmental Studies 185x. Texture Analysis: Film, Fashion, and Material Culture: Seminar]

Catalog Number: 1575 Enrollment: Limited to 12.

Giuliana Bruno

Half course (spring term). Hours to be arranged.

Film and fashion are most powerful image-makers. They are prime agents of visual expression and objects of material culture. They share a role in conveying identity, commanding identification, creating narratives, and shaping visual trends. Seminar explores their common language. Looks at the culture of fashion and considers both fashion and film as cultural “fabric.” Explores, in particular, the current intersection of fashion with contemporary visual arts. Reading in history and theory of the media will be accompanied by film analysis. Seminar will conduct a close text(ur)al analysis of *In the Mood for Love*, a film by Wong Kar-Wai.

Note: Expected to be given in 2007–08. Offered jointly with the Graduate School of Design as 4354.

Prerequisite: A course in film studies or the equivalent course in cultural studies.

Visual and Environmental Studies 186c. Film and Photography, Image and Narration - (New Course)

Catalog Number: 4152

D. N. Rodowick



Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

A survey of debates on photography and film carried out in the contexts of semiotics, structuralism, and narratology from the end of World War II until the early 1980s. In what ways can the image be considered a sign and how do images come to have meaning? Readings will include work by Roland Barthes, Christian Metz, Jean Mitry, Noël Burch, Raymond Bellour, Umberto Eco, Pier Paolo Pasolini, David Bordwell, and Gilles Deleuze.

Prerequisite: Literature & Arts B-11 (formerly VES 170a) or permission of the instructor.

Visual and Environmental Studies 187x. From Postwar to Postwall German Cinema

Catalog Number: 1196

Eric Rentschler

Half course (fall term). Tu., Th., at 10; with a weekly film screening W., 4–6 pm. EXAM GROUP: 12

West German filmmakers gained world-wide acclaim in the 1970s for interventions marked by subversive narrative strategies and unique formal approaches. We will examine representative features by Fassbinder, Herzog, Kluge, Schlöndorf, von Trotta, and Wenders, probing these films' aesthetic shapes as well as their socio-political implications. We will also frame our discussion by looking at important films that both precede and come after the so-called New German Cinema.

Note: Expected to be omitted in 2007–08. No knowledge of German required. Readings, films, and discussions in English. This course, when taken for a letter grade, meets the Core area requirement for Foreign Cultures.

[Visual and Environmental Studies 189. Exploring Culture Through Film]

Catalog Number: 9619

Lucien G. Taylor

Half course (spring term). Hours to be arranged.

Introduction to the history and theory of ethnographic filmmaking, from 1895 to the present day. Different modes of ethnographic and nonfiction filmmaking, including expository, impressionistic, observational, interactive, reflexive, and performative, are contrasted and evaluated for their strengths and weaknesses.

Note: Expected to be given in 2007–08.

[Visual and Environmental Studies 190f. Contemporary French Cinema]

Catalog Number: 7722

Dominique Bluher

Half course (fall term). Hours to be arranged.

Since the 1980s a new generation of independent filmmakers has emerged in France. After examining the cultural and economic contexts for film production in France today, we will study works by a variety of individual directors who have been instrumental in creating new approaches to cinematic narrative, form, and style.

Note: Expected to be given in 2007–08. No knowledge of French required.

Prerequisite: At least one course in Film Studies or permission of the instructor.

Visual and Environmental Studies 191s. Poetic Horror, Pop Existentialism and Cheap Sci-Fi: Cold War Cinema 1948-1964 - (New Course)



Catalog Number: 9435

James Hoberman

Half course (spring term). Th., 4–6 with a weekly film screening W., 7 pm. and a weekly section to be arranged. EXAM GROUP: 18

In the aftermath of World War II, filmmakers in the United States, Europe, and Japan developed what Susan Sontag termed a “popular mythology” which imaginatively addressed post-Auschwitz/post-Hiroshima guilt and anxiety. This course analyzes a number of such attempts (commercial movies, documentaries, and avant-garde films), reading them against their literary analogues (Kafka, Camus), the political rhetoric of the period, and the popular mythology of today. Filmmakers include Kurosawa, Hitchcock, Wajda, Franju, and Welles.

[Visual and Environmental Studies 195. The Contemporary Hollywood Cinema]

Catalog Number: 5982

J. D. Connor

Half course (spring term). Hours to be arranged.

After surveying the landscape of dead Hollywood (the early sixties), the course examines several potential industrial saviors—auteurism, blaxploitation, pornography, allegory, television, the blockbuster, agents, studios, videotape, the international market—and concludes with a look at the reintegrated mediascape of the present.

Note: Expected to be given in 2007–08.

Primarily for Graduates

[*Visual and Environmental Studies 270. Proseminar in Film and Visual Studies: History - \(New Course\)](#)

Catalog Number: 1741

Tom Conley

Half course (fall term). Tu., 1–3 with a weekly film screening M., 1–3 pm. EXAM GROUP: 15, 16

Studies the invention, practice and ideologies of film history. Critical readings of major figures (Sadoul, Kracauer) through filter of films as history (Griffith, Renoir, Godard). Includes theoretical work on historiography.

Note: Required of all graduate students intending to declare a secondary field in Film and Visual Studies.

[*Visual and Environmental Studies 271. Proseminar in Film and Visual Studies: Theory - \(New Course\)](#)

Catalog Number: 0159

D. N. Rodowick

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

An advanced survey of current debates on the place of the moving image in contemporary visual culture and art practice with respect to concepts of space, time, movement, and affect.

Note: Required of all graduate students intending to declare a secondary field in Film and Visual Studies.

Graduate Courses of Reading and Research



***Visual and Environmental Studies 301. Film Studies Workshop - (New Course)**

Catalog Number: 2867

Eric Rentschler 2325

Recommended for VES Concentrators

[**Chinese Literature 130. Screening Modern China: Chinese Film and Culture**]

Dramatic Arts 30. Design for the Theatre: History and Practice

***Dramatic Arts 31. Designing for the Stage**

***English Clr. Screenwriting Workshop**

Foreign Cultures 21. Cinéma et culture française, de 1896 à nos jours

[**Foreign Cultures 76. Nazi Cinema: Fantasy Production in the Third Reich**]

[**French 184. Cinema and the *auteur***]

***Freshman Seminar 31k. The Study of a Neighborhood - (New Course)**

History of Art and Architecture 70. Introduction to Modern Art and Visual Culture, 1700–1990s

***History of Art and Architecture 101. The Materials of Art**

History of Art and Architecture 172w. American Art and Modernity, 1865–1965

History of Art and Architecture 175k. American and European Art, 1945–1975 - (New Course)

[**History of Art and Architecture 175w. Pop Art**]

[**History of Science 152. Filming Science**]

Japanese Literature 123. Manga

Literature 147. Robots: Imagination, Fiction and Reality - (New Course)

[**Literature 165 (formerly Comparative Literature 165). The Holocaust and Problems of Representation**]

Literature and Arts B-11 (formerly Visual and Environmental Studies 170a). The Art of Film

Literature and Arts B-20. Designing the American City: Civic Aspirations and Urban Form

[**Literature and Arts B-24. Constructing Reality: Photography as Fact and Fiction**]

Literature and Arts B-49. Modernisms 1865–1968 - (New Course)

Literature and Arts C-55. Surrealism: Avant-Garde Art and Politics between the Wars

Studies of Women, Gender, and Sexuality 1133. Gender and Performance - (New Course)

Studies of Women, Gender, and Sexuality 1222. Literature, Art, Cinema and Queerness - (New Course)

Recommended for Graduate Students in Film and Visual Studies

***Anthropology 2835. Sensory Ethnography I**

***Anthropology 2836. Sensory Ethnography II: Studio Course - (New Course)**

[**Anthropology 2845. Media Anthropology Theory**] - (New Course)

Chinese Literature 225. Visual Evidence

***Comparative Literature 257. Trauma, Memory, and Creativity - (New Course)**

***English 279. Foreign Affair? Literature and Culture of the US Occupation of Germany, 1945–1955: Graduate Seminar - (New Course)**



[*English 287. Cinematic Adaptation: Graduate Seminar - \(New Course\)](#)

[*English 297. Cultural Studies: Graduate Seminar - \(New Course\)](#)

[French 255. Metamorphoses of the Vampire](#)

[German 244. Readings in German Film Theory](#)

[\[*History of Art and Architecture 279m. Media/Art\] - \(New Course\)](#)

[Slavic 281. Literature, Film, and Visual Arts in Russia, 1920-1930](#)

Women, Gender, and Sexuality

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Studies of Women, Gender, and Sexuality

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Janet Beizer, Professor of Romance Languages and Literatures

Robin M. Bernstein, Assistant Professor of Studies of Women, Gender, and Sexuality and of History and Literature

Giuliana Bruno, Professor of Visual and Environmental Studies (*on leave 2006-07*)

Julie A. Buckler, Professor of Slavic Languages and Literatures

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Nancy F. Cott, Jonathan Trumbull Professor of American History

Drew Gilpin Faust, Lincoln Professor of History and President of Harvard University

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Warren Goldfarb, Walter Beverly Pearson Professor of Modern Mathematics and Mathematical Logic

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Evelynn M. Hammonds, Professor of the History of Science and of African and African American Studies

Helen Hardacre, Reischauer Institute Professor of Japanese Religions and Society

Alice Jardine, Professor of Romance Languages and Literatures and of Studies of Women, Gender, and Sexuality (*on leave spring term*)

Susan M. Kahn, Lecturer on Near Eastern Languages and Civilizations

Matthew Kaiser, Assistant Professor of English and American Literature and Language

Ewa Lajer-Burcharth, Harvard College Professor and Professor of History of Art and



Architecture

Wendy L. Luttrell, Nancy Pforzheimer Aronson Associate Professor in Human Development and Education (*Education School*)

Christie McDonald, Smith Professor of French Language and Literature (*on leave 2006-07*)

Afsaneh Najmabadi, Professor of History and of Studies of Women, Gender, and Sexuality (*on leave fall term*)

Katharine Park, Samuel Zemurray, Jr. and Doris Zemurray Stone Radcliffe Professor of the History of Science (*on leave spring term*)

Mary Ruggie, Adjunct Professor of Public Policy (*Kennedy School*) (*fall term only*)

Sharmila Sen, Assistant Professor of English and American Literature and Language

Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature

Judith Surkis, Associate Professor of History and of History and Literature (*on leave fall term*)

Laurel Thatcher Ulrich, 300th Anniversary University Professor

Other Faculty Offering Instruction in Studies of Women, Gender, and Sexuality

Claudia A. Castañeda, Lecturer on Studies of Women, Gender, and Sexuality

Gayatri Gopinath, Visiting Associate Professor of Studies of Women, Gender, and Sexuality (*University of California, Davis*)

Linda Schlossberg, Lecturer on Studies of Women, Gender, and Sexuality (*Assistant Director of Studies*)

Rebecca H. Wingfield, Lecturer on Studies of Women, Gender, and Sexuality

Primarily for Undergraduates

[*Studies of Women, Gender, and Sexuality 91r. Supervised Reading and Research](#)

Catalog Number: 6225

Director of Studies and staff

Half course (fall term; repeated spring term). Hours to be arranged.

The study of selected topics in studies of women, gender, and sexuality.

[*Studies of Women, Gender, and Sexuality 97. Tutorial-Sophomore Year: Dreams of a Common Language: Feminist Conversations Across Difference](#)

Catalog Number: 7217 Enrollment: Limited to concentrators.

Robin M. Bernstein

Half course (spring term). M., 1–3; or Th., 3–5. EXAM GROUP: 6, 7

An introduction to transnational feminist thought. We will think critically about our multiple locations and identities, and then mobilize that understanding toward productive conversation across differences. Focus on the ways in which diverse people have theorized gender, sexuality, race, and nationhood as categories of knowledge. Focus also on activism as a form of theory and a key element of feminist intellectual history.

Note: Required of, and limited to, Women, Gender, and Sexuality concentrators in their first year in the concentration. Juniors should attend the M 1-3 section, and Sophomores should attend the Th 3-5 pm section.



***Studies of Women, Gender, and Sexuality 98r. Tutorial — Junior Year**

Catalog Number: 8094

Director of Studies and staff

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Ordinarily taken by concentrators for one term in the second term of the junior year.

Concentrators planning to study abroad in the second term should take WGS 98r in the first term of the junior year.

***Studies of Women, Gender, and Sexuality 99a. Tutorial — Senior Year**

Catalog Number: 6763

Rebecca H. Wingfield

Half course (fall term). Hours to be arranged.

Note: Both WGS 99a and 99b are required of all concentrators in their senior year.

***Studies of Women, Gender, and Sexuality 99b. Tutorial — Senior Year**

Catalog Number: 5847

Rebecca H. Wingfield

Half course (spring term). Hours to be arranged.

Note: Both WGS 99a and 99b are required of all concentrators in their senior year.

For Undergraduates and Graduates

Studies of Women, Gender, and Sexuality 1000. Introduction to WGS: Women, Men, and Beyond: Gender and Sexuality in an International Frame

Catalog Number: 9620

Bradley S. Epps and Linda Schlossberg

Half course (spring term). Tu., Th., 10–11:30 and a one hour section to be arranged. EXAM GROUP: 12, 13

Intensive introductory overview of major questions in the study of women, gender, and sexuality. Special attention to epistemological, ethical, cultural, and political debates around nature and nurture; religion, morality, and the law; the family and the nation; reproduction and pleasure; the varieties of sexual identity and expression; medicine, sexology, and psychoanalysis; globalization and immigration; feminist, postcolonial, and queer theories.

Note: Lectures by guest speakers may be scheduled separately from class meeting times.

Attendance at lectures is mandatory, and section meetings will not be held in the weeks when lectures are scheduled separately. More detailed scheduling information will be available in January, 2007.

Studies of Women, Gender, and Sexuality 1001. Feminist Theory: Postcolonial Perspectives

Catalog Number: 5590 Enrollment: Limited to 15.

Gayatri Gopinath (University of California, Davis)

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

This seminar explores the ways in which postcolonial feminist criticism has theorized gender and sexuality. We pay particular attention to the development of the field as it has emerged both in the global South (particularly South Asia) as well as in Europe and North America. In so doing



we examine the interface and points of connection between postcolonial feminist thought and U.S. women of color feminisms, queer studies, and diaspora studies.

Studies of Women, Gender, and Sexuality 1002. Theory Into Practice: Approaches to Research and Writing in WGS

Catalog Number: 4429 Enrollment: Limited to 15.

Wendy L. Luttrell (Education School)

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

An analysis of the production of knowledge and research methodologies across a variety of interdisciplinary topics in WGS. Specific research and writing requirements in the humanities, social sciences, and sciences are addressed as interdisciplinary questions are explored. The course is designed to deepen students' thinking about their research questions, their roles and responsibilities as researchers, feminist epistemologies and the burden of representation in the writing process.

Note: Juniors planning for senior thesis research are particularly encouraged to take this seminar.

Studies of Women, Gender, and Sexuality 1003. Theories of Sexuality: Nationalism, Colonialism, Globalization

Catalog Number: 1386

Gayatri Gopinath (University of California, Davis)

Half course (fall term). M., W., at 10, and a one hour section to be arranged. EXAM GROUP: 3

This course examines the production of sexuality in relation to questions of citizenship, race, nationalism, migration, diaspora and globalization. We begin by developing a historical understanding of different organizations of sexuality in Europe and the US, and then consider the shifting meanings and structures of sexuality in different sites both within and outside Euro-American contexts: the rural, the urban, the home, the border, the colony, the postcolony, the nation.

[Studies of Women, Gender, and Sexuality 1010 (formerly Studies of Women, Gender, and Sexuality 1000). The Gender Mystique: An Interdisciplinary Introduction to Fifty Years of Studies on Women, Gender, and Sexuality]

Catalog Number: 5688

Alice Jardine

Half course (fall term). Hours to be arranged.

Intensive overview of major topics, problems, and questions raised by the interdisciplinary study of women, gender, and sexuality and the epistemological challenges thus raised to traditional divisions of knowledge. Our approach will be contemporary and our subjects will range across history, science, literature, economics, law, and the mass media, while crossing through feminist, postcolonial, and queer theories.

Note: Expected to be given in 2007–08.

Studies of Women, Gender, and Sexuality 1122. The Romance: From Jane Austen to Chick Lit - (New Course)

Catalog Number: 8181

Linda Schlossberg

Half course (fall term). M., W., at 12 and a one hour section to be arranged. EXAM GROUP: 5



A critical investigation of the genre's enduring popularity, beginning with Austen's satirical Northanger Abbey and three novels credited with providing narrative templates for contemporary romances (*Pride and Prejudice*, *Jane Eyre*, *Wuthering Heights*). We then read twentieth-century revisions of these works (*Rebecca*, *The Wide Sargasso Sea*, *Bridget Jones's Diary*). Topics: the female writer and reader/consumer of literature; moral warnings against romance, "sensation," and titillation; the commodification of desire; Harlequins; the relationship between high culture and low.

Studies of Women, Gender, and Sexuality 1125. Gender and Health

Catalog Number: 4563

Mary Ruggie (Kennedy School)

Half course (spring term). M., W., at 11; and a one hour section to be arranged. EXAM GROUP: 4

Based on theoretical debates between feminism and science and different understandings of health, illness, and healing, we explore the role of women, the medical profession, and various social institutions in constructing knowledge about gender and health. Among the issues we discuss are health behaviors, reproductive health, STDs, mental health, cancer, and aging. Throughout, we identify differences among women and men of different class, race, and ethnic groups.

Studies of Women, Gender, and Sexuality 1133. Gender and Performance - (New Course)

Catalog Number: 8829

Robin M. Bernstein

Half course (fall term). M., W., 3-4:30 and a one hour section to be arranged. EXAM GROUP: 8, 9

Introduction to performance studies as it intersects with gender studies. What does it mean to say that gender is "performed?" How does performance--on- and off-stage--construct and deconstruct power with regard to gender, sexuality, race? We examine gender as a performance, feminist and queer theatre, normative and transgressive performances of gender in everyday life, drag, and gendered performance as a building block in racial and national identities. Topics include weddings, camp, butch-femme culture, Teddy Roosevelt.

Studies of Women, Gender, and Sexuality 1154. I Like Ike, But I Love Lucy: Women, Popular Culture, and the 1950s: Conference Course

Catalog Number: 6855

Alice Jardine

Half course (fall term). M., 1-3 and a one hour section to be arranged. EXAM GROUP: 6, 7

A diagnosis and analysis of this formative decade for the US baby boomer. Taught from a cultural studies perspective, the course focuses on gender politics in print media, film, television, and rock of the early cold war era. Topics include: the bomb and TV, the Rosenberg trial, early civil rights movement, beat generation, Hollywood dreams of true love, Elvis Presley, Marilyn Monroe, Lucille Ball, Jack Kerouac, Joe McCarthy, Rosa Parks, and others.

Studies of Women, Gender, and Sexuality 1170. Power to the People: Black Power, Radical Feminism, and Gay Liberation 1955-1975 - (New Course)

Catalog Number: 9095



Michael Bronski

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

An introduction to the radical American social change movements of the 1960s and 70s. We will examine the specific historical conditions that allowed each of these movements to develop, the interconnections and contradictions among them, and why they ultimately lost political power. Along with historical analysis, we will examine primary source materials, manifestos, autobiographies, and media coverage from the period, as well as relevant films, music, and fiction. The class will be a mixture of lecture and discussion.

[Studies of Women, Gender, and Sexuality 1202. Women’s Writing and Film in Latin America and the Caribbean]

Catalog Number: 9230

Bradley S. Epps

Half course (spring term). Hours to be arranged.

Focuses on 20th-century narrative fiction, testimony, and film by women from a variety of linguistic cultures (French, Spanish, Creole, Maya-Quiché, English, Portuguese), paying special attention to the ties and tensions between feminism and post-colonialism. Other topics include gender and genre; sexuality and the state; social engagement and artistic autonomy; nationality, nationalism, and internationalism; class conflict and the “global market;” family formations and kinship; ritual, and religion; lesbianism, heterosexuality, and bisexuality; authoritarianism and democracy.

Note: Expected to be given in 2007–08.

Studies of Women, Gender, and Sexuality 1220. Harem Fictions: From Montesquieu to Mernissi - (New Course)

Catalog Number: 7247

Afsaneh Najmabadi

Half course (spring term). Tu., 2–4 and a one hour section to be arranged. EXAM GROUP: 16, 17

Is harem a space? An institution? What notions of gender and sexuality are affiliated with and constructed through the notion of harem? We investigate the cultural work of harem as represented in several socio-cultural and historical contexts, beginning with historical essays on harem and moving onto European texts, paintings, and films. From late-19th century to the present, Muslim women have also employed the notion of harem, and we will read some of their writings.

Studies of Women, Gender, and Sexuality 1222. Literature, Art, Cinema and Queerness - (New Course)

Catalog Number: 2628 Enrollment: Limited to 25.

Bradley S. Epps

Half course (fall term). Tu., Th., 10–11:30 and a possible one hour section to be arranged.

EXAM GROUP: 12, 13

Examines the ties and tensions between so-called non-normative sexual identities and expressions and literature, film, and the visual arts. Draws on works from an array of countries in the modern period and includes select theoretical, critical, and historical readings. Topics include decadence and experimentation; oppression and resistance; desire, duty, and disease; silence and



expression; normalization and radicalism, and the intersections of race, class, language, and nationality.

Studies of Women, Gender, and Sexuality 1252. Science, Gender, and Sexuality - (New Course)

Catalog Number: 9952

Claudia A. Castañeda

Half course (spring term). Th., 1–3 and a one hour section to be arranged. EXAM GROUP: 15, 16

Are brains gendered? Is there a gay gene? Is heterosexual mate choice driven by evolution? This course takes a critical look at scientific discourses of gender and sexuality, focusing on the fields of human biology, biological anthropology, and cognitive neuroscience. We will also consider how the science of sexuality and gender circulates in popular culture, and its relation to feminist and queer theory and politics.

Studies of Women, Gender, and Sexuality 1402. Body Sculpting in Modern America - (New Course)

Catalog Number: 4685 Enrollment: Limited to 15.

Karen P. Flood

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

The last century has witnessed a proliferation of procedures and products to alter or "sculpt" one's body. This course analyzes this phenomenon by focusing on fitness movements and body-building, dieting and eating disorders, surgical interventions, and surface alterations such as tattooing in late nineteenth and twentieth-century America. We will explore the ideas of self-making contained in these practices, and we will examine the race and gender politics of these bodily modifications in different eras.

[Studies of Women, Gender, and Sexuality 1406. Melodrama, Camp, and Beyond: Pedro Almodóvar in Cinematic Context]

Catalog Number: 3799 Enrollment: Limited to 20.

Bradley S. Epps

Half course (spring term). Hours to be arranged.

An intensive critical examination of Spain's most "successful" director and the Hollywood "women's pictures" of the 1940s–1960s that have so marked his craft. Special attention will be paid to melodrama, camp, and the representation of gender and sexuality and to the specifically Spanish turns of postmodernism, democracy, and consumer culture. Theoretical essays include Bazin, Buñuel, Metz, Heath, Wollen, Doane, Silverman, Kinder, Smith, Williams; films include Almodóvar, Buñuel, Saura, Segura, Vidor, Kazan, Rapper, Ray, Mankiewicz.

Note: Expected to be given in 2007–08.

Studies of Women, Gender, and Sexuality 1407. Harlots, Dandies, Bluestockings: Sexuality, Gender, and Feminism in the 18th and 19th Centuries - (New Course)

Catalog Number: 0730 Enrollment: Limited to 15.

Linda Schlossberg

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

How did social forces in the 18th and 19th centuries shape (and contest) new theories of



womanhood, sexuality, and political equality? Readings from a variety of literary and political sources, including "*Fanny Hill: Memoirs of a Woman of Pleasure*," "*Moll Flanders*," "*The Picture of Dorian Gray*," "*Dr. Jekyll and Mr. Hyde*," "*A Vindication of the Rights of Women*." Areas of inquiry: prostitution, the suffrage movement, motherhood, property rights, psychology, manliness, sexology, Victorian pornography.

[Studies of Women, Gender, and Sexuality 1408. Tomboys, Angels, and Dolls: Girls in American Culture: Seminar]

Catalog Number: 0185 Enrollment: Limited to 15.

Robin M. Bernstein

Half course (spring term). Hours to be arranged.

An interdisciplinary study of girlhood in American culture. Topics include sexuality, race, consumerism, play, violence, and resistance. Texts may include *Lolita*, *Beloved*, *Harriet the Spy*, *Uncle Tom's Cabin*, *Raggedy Ann Stories*, *The Wizard of Oz*, selections from *Crisis* and *The Brownies' Book*, and works by Maya Angelou and Zitkala-Sa. Special focus on Shirley Temple, Little Orphan Annie (as comic strip, musical, and film), and the American Girls book/doll series. *Note*: Expected to be given in 2007–08.

Of Primary Interest

Courses in the studies of women, gender, and sexuality offered by other departments are cross-listed below. Those listed first focus centrally on the study of women and/or gender. Courses listed as "Of Related Interest" devote at least one specific segment to such questions. Many of the courses may be taken for graduate credit. Courses numbered in the 200s are primarily for graduate students. Students should also investigate offerings in other faculties in which they may cross-register, such as the Graduate School of Education, the Law School, the Medical School, and the Women's Studies program at the Divinity School.

[Celtic 113. Gaelic Women's Poetry]

[Celtic 166. The Folklore of Women - \(New Course\)](#)

[*English 90yx. Gay and Lesbian Fiction: 1945 to the Present - \(New Course\)](#)

[French 70b. Introduction to French Literature II: Representations of Change From the Romantics to the Present](#)

[French 136. Feminist Literary Criticisms](#)

[German 162. Gender Theory and Narrative Fiction - \(New Course\)](#)

[Historical Study A-67. Gendered Communities: Women, Islam, and Nationalism in the Middle East and North Africa](#)

[Historical Study A-86 \(formerly History 1692\). Men and Women in Public and Private: the US in the 20th Century](#)

[History 1459. Gender and Sexuality in Modern Europe: Conference Course]

[History 1948. The Modern Girl Around the World: Conference Course - \(New Course\)](#)

[History 2912. What is History? Concepts, Practices, Critique: Seminar]

[History 2914. Gender and History: Proseminar - \(New Course\)](#)

[History of Art and Architecture 70. Introduction to Modern Art and Visual Culture, 1700–1990s](#)

[*History of Art and Architecture 173m. The Early Modern Artist](#)

[History of Art and Architecture 174s. Body Image in French Visual Culture: 18th and



19th Century]

[*History of Art and Architecture 271x. The Origins of Modernity: The “New” 18th Century](#)

[Human Evolutionary Biology 1380 \(formerly Anthropology 1380\). The Behavioral Biology of Women](#)

[Jewish Studies 142. Gender Roles and the Role of Gender: Jewish Society in Medieval and Early Modern Europe - \(New Course\)](#)

[Literature and Arts C-65. Repression and Expression: Literature and Art in *Fin-de-siècle* Germany and Austria](#)

[Psychology 1705. Psychology of Sex and Gender](#)

[Spanish 184. Sex and Gender in Spanish America: “Man” and “Woman”]

[Visual and Environmental Studies 176x. Melodrama](#)

Of Related Interest

[African and African American Studies 118. African American History from the Slave Trade to 1900](#)

[African and African American Studies 191. The Civil Rights Movement: Seminar]

[Economics 1815. Social Problems of the American Economy]

[Foreign Cultures 60. Individual, Community, and Nation in Vietnam]

[French 48b. Contemporary French Society](#)

[French 132a. 20th-Century French Fiction I: The Realist Mode]

[Historical Study B-35. The French Revolution: Causes, Processes, and Consequences](#)

[Historical Study B-40. Pursuits of Happiness: Ordinary Lives in Revolutionary America](#)

[History of Art and Architecture 70. Introduction to Modern Art and Visual Culture, 1700–1990s](#)

[History of Science 175. Madness and Medicine: Themes in the History of Psychiatry]

[Literature and Arts A-16. Lives Ruined by Literature: The Theme of Reading in the Novel]

[Literature and Arts C-14. Concepts of the Hero in Greek Civilization](#)

[Literature and Arts C-43. The Medieval Court](#)

[Moral Reasoning 22. Justice]

[Portuguese 44 \(formerly Portuguese 38\). Images of Brazil: Contemporary Brazilian Cinema](#)

[Religion 1725. Buddhism and Social Change: Seminar](#)

[Spanish 48. Perspectives on Mexico](#)

[Visual and Environmental Studies 180. Film, Modernity and Visual Culture]

[Visual and Environmental Studies 181. Frames of Mind: Approaches to Film Theory]

[*Visual and Environmental Studies 182. Film Architectures: Seminar]

[Visual and Environmental Studies 184. Imagining the City: Literature, Film, and the Arts]

[*Visual and Environmental Studies 185x. Texture Analysis: Film, Fashion, and Material Culture: Seminar]

